

MOS 5939, Aviation Communication Systems Technician (PMOS)

MSGT	Required Training:	5939
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MTACS/MACS/MASS SE: MTACS (R)/MACS (R)/MASS (R)/ MCCES/MCTSSA

GYSGT	Required Training:	5939
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MTACS/MACS/MASS SE: MTACS (R)/MACS (R)/MASS (R)/MCCES

SSGT	Required Training:	5939
	Skill Progression:	
	Skill Enhancement:	Link 16 Joint Interoperability Course (JTIDS)
	MOS Assignment:	Multi-Tadil Advanced Joint Interoperability Course OPFOR: MTACS/MACS/MASS/MAW SE: MTACS (R)/MACS (R)/MASS MCCES

SGT	Required Training:	5939
	Skill Progression:	
	Skill Enhancement:	Aviation Communication System Managers Course
	MOS Assignment:	OPFOR: MTACS/MACS/MASS SE: MTACS (R)/MACS (R)/MASS/MCCES

CPL	Required Training:	5939
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MTACS/MACS/MASS SE: MTACS (R)/MACS (R)/MASS (R)/ MCCES/MCAGCC/MCTSSA

LCPL	Required Training:	Aviation Communication Systems Technician Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MTACS/MACS/MASS SE: MTACS (R)/MACS (R)/MASS (R)/ MCCES

PFC	Required Training:	Aviation Communication Systems Technician Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MTACS/MACS/MASS SE: MTACS (R)/MACS (R)/MASS (R)/ MCCES

PVT	Required Training:	Aviation Communication Systems Technician Course

Figure 3-29.--Aviation Command and Control (C2) Electronics Maintenance

MOS 5948, Aviation Radar Technician (PMOS)

MSGT	Required Training:	5948
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCCES/MCLB

GYSGT	Required Training:	5948
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MACS R)/MCCES/MCTSSA/MCLB/ MARCORSYSCOM

SSGT	Required Training:	5948
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCTSSA/MCCES/MCLB

SGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCTSSA/MCCES/MCLB

MOS 5952, Air Traffic Control Navigational Aide Technician (PMOS)

GYSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	MATC Maintenance Managers Course
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS/NAS Pensacola

SSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	Link 16 Joint Interoperability Course (JTIDS)
	MOS Assignment:	Multi-Tadil Advanced Joint Interoperability Course OPFOR: MACS SE: MACS (R)/MCAS/NAS Pensacola

SGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	MATC Work Center Supervisor Course
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS/NAS Pensacola

CPL	Required Training:	
	Skill Progression:	
	Skill Enhancement:	

Figure 3-29.--Aviation Command and Control (C2) Electronics Maintenance
(continued)

	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS/NAS Pensacola

LCPL	Required Training:	Marine Air Traffic Control Navigational Aids Technician Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS/NAS Pensacola

PFC	Required Training:	Marine Air Traffic Control Navigational Aids Technician Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS/NAS Pensacola

PVT	Required Training:	Marine Air Traffic Control Navigational Aids Technician Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS/NAS Pensacola

<u>MOS 5953, Air Traffic Control Radar Technician (PMOS)</u>		
GYSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	MATC Maintenance Managers Course
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS/NAS Pensacola

SSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	Link 16 Joint Interoperability Course (JTIDS)
		Multi-Tadil Advanced Joint Interoperability Course (MAJIC)
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS/NAS Pensacola

SGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	MATC Work Center Supervisor Course
	MOS Assignment:	OPFOR: None SE: MACS (R)/MCAS/NAS Pensacola

CPL	Required Training:	
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS/NAS Pensacola

Figure 3-29.--Aviation Command and Control (C2) Electronics Maintenance
(continued)

LCPL	Required Training:	Marine Air Traffic Control Radar Technician Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: SE: MACS (R)/MCAS/NAS Pensacola

PFC	Required Training:	Marine Air Traffic Control Radar Technician Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS/NAS Pensacola

PVT	Required Training:	Marine Air Traffic Control Radar Technician Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS/NAS Pensacola

<u>MOS 5954, Air Traffic Control Communications Technician (PMOS)</u>		
GYSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	MATC Maintenance Managers Course
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS NAS Pensacola

SSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	Link 16 Joint Interoperability Course (JTIDS)
	MOS Assignment:	Multi-Tadil Advanced Joint Interoperability Course (MAJIC) OPFOR: MACSMACS SE: MACS (R)/MCAS NAS Pensacola

SGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	MATC Work Center Supervisor Course
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS NAS Pensacola

CPL	Required Training:	
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS NAS Pensacola/ MCAGCC

LCPL	Required Training:	Marine Air Traffic Control Communications Technician Course

Figure 3-29.--Aviation Command and Control (C2) Electronics Maintenance (continued)

Skill Progression:
 Skill Enhancement:
 MOS Assignment: OPFOR: MACS
 SE: MACS (R)/MCAS NAS Pensacola/
 MCAGCC

 PFC Required Training: Marine Air Traffic Control
 Communications Technician Course

 Skill Progression:
 Skill Enhancement:
 MOS Assignment: OPFOR: MACS
 SE: MACS (R)/MCAS NAS Pensacola/
 MCAGCC

 PVT Required Training: Marine Air Traffic Control
 Communications Technician Course

 Skill Progression:
 Skill Enhancement:
 MOS Assignment: OPFOR: MACS
 SE: MACS (R)/MCAS NAS Pensacola/
 MCAGCC

MOS 5959, Air Traffic Control Systems Maintenance Chief (PMOS)

MGYSGT Required Training:
 Skill Progression:
 Skill Enhancement:
 MOS Assignment: OPFOR: MACS
 SE: NAS Pensacola

 MSGT Required Training:
 Skill Progression:
 Skill Enhancement: MATC Maintenance Managers Course
 MOS Assignment: OPFOR: MACS
 SE: MACS (R)/MCAS/NAS Pensacola

MOS 5979, Tactical Air Operations/Air Defense Systems Technician (PMOS)

MSGT Required Training:
 Skill Progression:
 Skill Enhancement:
 MOS Assignment: OPFOR: MACS
 SE: MCCES

 GYSGT Required Training:
 Skill Progression:
 Skill Enhancement:
 MOS Assignment: OPFOR: MACS
 SE: MACS (R)/MCTSSA/MCCES/
 MARCORSYSCOM/MCLB

 SSGT Required Training:
 Skill Progression:

Figure 3-29.--Aviation Command and Control (C2) Electronics Maintenance
 (continued)

	Skill Enhancement:	Link 16 Joint Interoperability Course (JTIDS)
	MOS Assignment:	Multi-Tadil Advanced Joint Interoperability Course (MAJIC) OPFOR: MACS SE: MACS (R)/MCTSSA/MCCES

SGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	Joint Tactical Information Distribution System (JTIDS)
	MOS Assignment:	Tactical Data Systems Administrator Managers Course OPFOR: MACS SE:

CPL	Required Training:	
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCTSSA/MCCES

LCPL	Required Training:	Tactical Air Operations Module Repairer Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCTSSA/MCCES

PFC	Required Training:	Tactical Air Operations Module Repairer Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCTSSA/MCCES

PVT	Required Training:	Tactical Air Operations Module Repairer Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCTSSA/MCCES

<u>MOS 5993, Electronics Maintenance Chief (Aviation (C2)) (PMOS)</u>		
MGYSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MAW/HQ/MACS SE: MAW (R)/MCTSSA/MCCES/ MARCORSYSCOM

Figure 3-29.--Aviation Command and Control (C2) Electronics Maintenance
(continued)

3138. OCCUPATIONAL FIELD 60, 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. 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) NMOS (any PMOS from 60/61/62/63/64/65)

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 reference (bu). In addition, aviation maintenance controllers/production controllers must have detailed knowledge of the Naval Aviation Logistics Command Management Information Systems (NALCOMIS).

b. Prerequisites. 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.

c. Requirements. Recommend completion the Senior Enlisted Aviation Maintenance (SEAM) Course (C-600-3210) at NAMTRAGRUDET Oceana, VA; Jacksonville, FL; North Island, CA; Whidbey Island, WA, or be designated Safe for Flight (SFF) IAW reference (bu).

d. 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.

e. Related Standard Occupational Classification (SOC) Title and Code. Production, Planning, and Expediting Clerks 43-5061.

f. Related Military Skill. None.

3. MOS 6018, Aviation Quality Assurance Representative (QAR)/Inspector (MGySgt to Cpl) NMOS (any PMOS from 60/61/62/63/64/65)

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 reference (bu).

b. 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.

(2) Must be nominated by the Aircraft Maintenance Officer.

c. Requirements. See prerequisites.

d. Duties. Comply with reference (bu), and/or Local Command Procedures and CDIs.

e. Related Standard Occupational Classification (SOC) Title and Code. Production, Planning, and Expediting Clerks 43-5061.

f. Related Military Skill. Production, Planning, and Expediting Clerks 43-5061.

4. MOS 6019, Aircraft Maintenance Chief (MGySgt and MSgt) PMOS

a. Summary. Aircraft Maintenance Chiefs supervise the establishment and functions of all maintenance areas, maintenance personnel qualifications and MOS development within a fixed-wing/rotary wing/tilt rotor squadron or repair activity. They are responsible to the Commanding Officer for all enlisted maintenance Marines qualifications and professional development. 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 department or repair activity. They are the senior enlisted maintenance advisors to the Commanding Officer and aircraft maintenance officers in all areas of maintenance, 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. Prerequisites

(1) Must be a qualified MOS 60XX, 61XX, or 62XX.

(2) Security requirement: Secret security clearance eligibility.

c. Requirements. See prerequisites.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6019.

e. Related Standard Occupational Classification (SOC) Title and Code. First-Line Supervisors/Managers of Mechanics, Installers, and Repairers 49-1011.

f. Related Military Skill. None.

5. MOS 6023, Aircraft Power Plants Test Cell Operator (GySgt to Cpl) NMOS (6122, 6123, 6124, 6216, 6222, 6223, 6227)

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 only to qualified aircraft power plants mechanics, MOSSs 6122, 6123, 6124, 6222, 6223, 6226, and 6227.

b. Prerequisites. Must be qualified in one of the aircraft power plants MOSSs.

c. Requirements. Complete appropriate OJT and/or other applicable course(s) of instruction.

(1) Complete appropriate OJT and/or other applicable course(s) of instruction.

(2) Must be qualified in one of the aircraft power plants MOSSs.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6023.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. 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) NMOS (6062, 6092, 615X or 625X)

a. Summary. Aircraft Nondestructive Inspection Technicians perform nondestructive testing of metals in aircraft structures and aircraft/engine components. This MOS will be assigned only to qualified Aircraft Structures or Hydraulic Pneumatic Mechanics, MOSs 6062, 6092, 615X or 625X.

b. Prerequisites

(1) Must be a qualified Structures Mechanic, MOS 6092, or an MOS from 615X or 625X.

(2) Must have a minimum 12 months credibility in the rank of SSgt to Cpl.

(3) Must have a minimum AFQT score of 55 or a minimum GT score of 105.

(4) Must have a minimum 30 months time in service.

c. Requirements

(1) Complete Ionizing Radiation physical IAW NAVMEDP 5055.

(2) Complete the Naval Aircraft Nondestructive Inspection Technician class at NATTC, NAS Pensacola, FL.

(3) Must have a minimum 24 months obligated service upon completion of the Naval Aircraft Nondestructive Inspection Technician Class.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for the MOS 6033.

e. Related Standard Occupational Classification (SOC) Title and Code

(1) Nuclear Technician 19-4051.

(2) Inspection, Testers, Sorters, Samplers, and Veighers 51a-9061.

f. Related Military Skill. None.

7. MOS 6042, Individual Material Readiness List (IMRL) Asset Manager (MGySgt to Pvt) PMOS

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 (NAMF) 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. Prerequisites

- (1) Must possess a CL score of 105 or higher.
- (2) Must have normal color perception.
- (3) Security requirement: Secret security clearance eligibility.

c. Requirements. Complete appropriate formal school at NAS Meridian, MS (IMRL Asset Manager Course C-555-2020).

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6042.

e. Related Standard Occupational Classification (SOC) Title and Code. Information and Record Clerks, All Other 43-4199.

f. Related Military Skill. None.

8. MOS 6043, Aircraft Welder (GySgt to LCpl) NMOS (6092)

a. Summary. Aircraft Welders fabricate and repair aircraft metals through basic welding using the Gas/Tungsten/Titanium Welding/Arc/Welding (GTAW) process on aluminum alloys, steel alloys, stainless steel alloys, and precipitating hardening nickel based alloys.

b. Prerequisites. This MOS will be assigned only to qualified Aircraft Structures Mechanics, MOS 6092.

c. Requirements. Complete appropriate formal school of instruction (NADEP welding Course #N-701-0007 only).

- (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 perception.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6043.

e. Related Standard Occupational Classification (SOC) Title and Code. Welders, Cutters, Solderers, and Brazers 51-4121.

f. Related Military Skill. Metal Worker, 1316.

9. MOS 6046, Aircraft Maintenance Administration Specialist (MGySgt to Pvt) PMOS

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. All records must be maintained according to NARA-approved dispositions per references (cu) and (cv).

b. Prerequisites

- (1) Must be a U.S. citizen.
- (2) Must possess a CL score of 100 or higher.
- (3) Must have normal color perception.
- (4) Basic PC operation/word processing with the capability of 15 words per minute.

c. Requirements

- (1) Complete the appropriate formal "A" school, Aviation Maintenance Administration Course, Meridian, MS.
- (2) Complete the appropriate formal "C" school, Data Analysis Course, Pensacola, FL (sergeants and above).

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6046.

e. Related Standard Occupational Classification (SOC) Title and Code. Production, Planning, and Expediting Clerks 43-5061.

f. 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. Prerequisites. Must meet the criteria to be fully qualified and certified as per reference (bf), Qualification and Certification for Class V Munitions and Explosive Devices.

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

(3) Must meet the medical requirements for Explosives Handlers contained in reference (ak), Article 15-71B.

c. Requirements. Must meet the criteria to be fully qualified and certified as per reference (bf), Qualification and Certification for Class V Munitions and Explosive Devices.

d. Duties. For a complete listing of duties and tasks, refer to (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6048.

e. Related Standard Occupational Classification (SOC) Title and Code. Installation, Maintenance and Repair Workers, All Other 49-9099.

f. Related Military Skill. Aircraft Safety Equipment Mechanic, Moss 6282 to 6287.

11. MOS 6049, NALCOMIS Application Administrator/Analyst (MGySgt to Sgt)
NMOS (6046)

a. Summary. NALCOMIS Application Administrator/Analyst performs 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.

b. 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.

c. Requirements. Complete one of the NALCOMIS Aviation Information Systems Administrator/Analyst training tracks, NALCOMIS Aviation Maintenance

IMA System Administrator/Analyst Pipeline, or NALCOMIS Aviation Maintenance OMA System Administrator/Analyst Pipeline 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, or NALCOMIS Aviation Maintenance OMA Database Administrator/Analyst Strand, at NATTC Pensacola.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6049.

e. Related Standard Occupational Classification (SOC) Title and Code

(1) Computer Operators 43-9011.

(2) Production, Planning, and Expediting Clerks 43-5061.

f. Related Military Skill. None.

12. MOS 6062, Aircraft Intermediate Level Hydraulic/Pneumatic Mechanic (GySgt to Pvt) PMOS

a. Summary. Aircraft Intermediate Level Hydraulic/Pneumatic Mechanics inspect, maintain, and repair aircraft intermediate level hydraulic/pneumatic system components.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" schools, Aviation Structural Mechanic Core NATTC, NAS Pensacola, FL.

(2) Complete USMC Aircraft Hydraulic Components Intermediate Maintenance, at CNATTU NAS LeMoore, CA or CNATT Oceana, VA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6062.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. None.

13. MOS 6072, Aircraft Maintenance Support Equipment Hydraulic/Pneumatic/Structures Mechanic (GySgt to Pvt) PMOS

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. Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school at NATTC, NAS Pensacola FL.

(2) Complete the appropriate formal "C" schools at CNATTU, NAS North Island, CA or CNATTU, NAS Jacksonville, FL.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6072.

e. Related Standard Occupational Classification (SOC) Title and Code.
Mobile Heavy Equipment Mechanics, Except Engines 49-3042.

- (1) Automobile Mechanic 620.261-010.
- (2) Aviation support Equipment Repairer 639.281-010.

f. Related Military Skill

- (1) Engineer Equipment Mechanic, 1341.
- (2) Organizational Automotive Mechanic, 3521.

14. MOS 6073, Aircraft Maintenance Support Equipment Electrician/Refrigeration Mechanic (GySgt to Pvt) PMOS

a. Summary. Aircraft Maintenance Support Equipment Electrician/Refrigeration Mechanics install, inspect, test, maintain and repair aircraft support equipment (SE), electrical/instrument and refrigeration and air conditioning equipment, systems and accessories.

b. Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Support Equipment Technical Class A1, at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, Support Equipment Electrical/Refrigeration Intermediate Maintenance at CNATT, NAS North Island, CA or CNATT, NAS Jacksonville, FL.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6073.

e. Related Standard Occupational Classification (SOC) Title and Code. Heating, Air Conditioning, and Refrigeration Mechanics and Installers 49-9021.

f. Related Military Skill. Refrigeration Mechanic, 1161.

15. MOS 6074, Cryogenics Equipment Operator (GySgt to Pvt) PMOS

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. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements. Complete the appropriate formal combined "A" and "C" school at CNATT MAR Unit, MCAS Cherry Point, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6074.

e. Related Standard Occupational Classification (SOC) Title and Code. Chemical Plant and System Operators 51-8091.

f. Related Military Skill. None.

16. MOS 6092, Aircraft Intermediate Level Structures Mechanic (GySgt to Pvt) PMOS

a. Summary. Aircraft Intermediate Level Structures Mechanics inspect, maintain, and repair aircraft intermediate level structural components.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

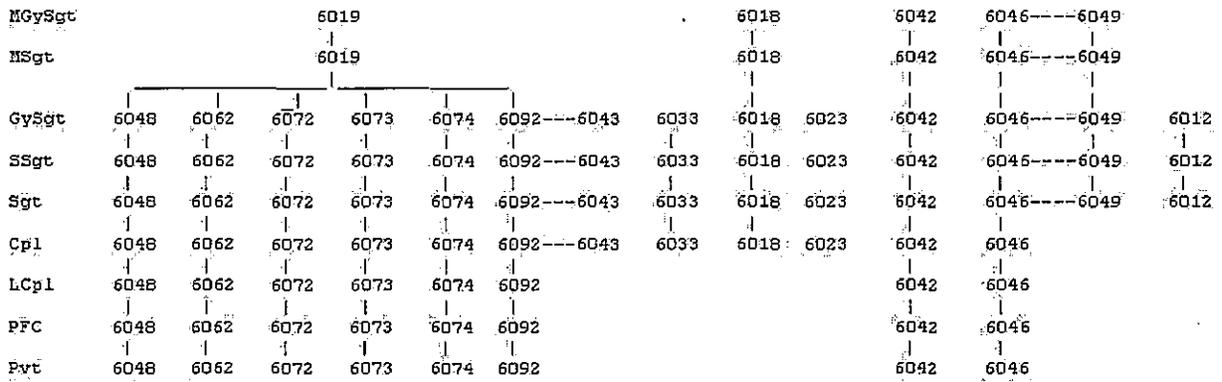
(1) Complete the appropriate formal "A" school, Aviation Structural Mechanic Core, at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, Airframes Intermediate Maintenance at CNATT NAS Lemoore, CA or CNATT Oceana, VA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6092.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. None.



- 6012 Aviation Maint Controller/Production Controller (PMOS)
- 6018 Aviation Quality Assurance Rep/Inspector (NMOS)
- 6023 Aircraft Power Plants Test Cell Operator (NMOS)
- 6033 Aircraft Nondestructive Inspection Tech (NMOS)
- 6042 Individual Material Readiness List Asset Manager (PMOS)
- 6043 Aircraft Welder (NMOS)
- 6046 Aircraft Maint Admin Specialist (PMOS)
- 6048 Flight Equip Tech (PMOS)
- 6049 NALCOMIS Application Administrator/Analyst NMOS
- 6062 Aircraft Intermediate Level Hydraulic/Pneumatic Mech (PMOS)
- 6072 Aircraft Main Support Equip Hydraulic/Pneumatic/Structures Mech (PMOS)
- 6073 Aircraft Main Support Equip Electrician/Refrig Mech (PMOS)
- 6074 Cryogenics Equip Operator (PMOS)
- 6092 Aircraft Intermediate Level Structures Mech (PMOS)

Figure 3-30.--Aircraft Maintenance

3139. OCCUPATIONAL FIELD 61, AIRCRAFT MAINTENANCE (ROTOR-WING)1. MOS 6111, Helicopter/Tiltrotor Mechanic-Trainee (SSgt to Pvt) PMOS

a. Summary. Helicopter/Tiltrotor Mechanics-Trainees, under instruction or close supervision, train for one of the helicopter/tiltrotor mechanic MOSs.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements. See prerequisites.

d. Duties. Performs duties under instruction.

e. Related Standard Occupational Classification (SOC) Title and Code. Enlisted Military Training/Reporting/Special Duty Code (no related SOC) 00-0001.

f. Related Military Skill. None.

2. MOS 6112, Helicopter Mechanic, CH-46 (GySgt to Pvt) PMOS

a. Summary. Helicopter Mechanics, CH-46; inspect and maintain helicopter airframes and airframe components and perform duties relating to flight line operation.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) For career progression, the Plane Captain (PC) Ground Syllabus Familiarization for the CH-46 aircraft must be completed.

(2) Complete the appropriate formal combined "A" and "C" school, CH-46 Power Plants Power Trains and Rotors Organizational Maintenance at CNATT MAR Unit, MCAS New River, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6112.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Helicopter Power Plants Mechanic, 6122.

3. MOS 6113, Helicopter Mechanic, CH-53 (GySgt to Pvt) PMOS

a. Summary. Helicopter Mechanics, CH-53; inspect and maintain helicopter airframes and airframe components and perform duties relating to flight line operation.

b. Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color perception.

c. Requirements

(1) For career progression, the Plane Captain (PC) Ground Syllabus Familiarization for the CH-53 aircraft must be completed.

(2) Complete the appropriate formal combined "A" and "C" school, Power Plants and Related Systems Maintenance at CNATT MAR Unit, MCAS New River, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6113.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Helicopter Power Plants Mechanic, 6123.

4. MOS 6114, Helicopter Mechanic, UH/AH-1 (GySgt to Pvt) PMOS

a. Summary. Helicopter Mechanics, UH/AH-1; inspect and maintain helicopter airframes and airframe components and perform duties relating to flight line operation.

b. Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color perception.

c. Requirements

(1) For career progression, the Plane Captain (PC) Ground Syllabus Familiarization for the UH/AH-1 aircraft must be completed.

(2) Complete the appropriate formal combined "A" and "C" school, AH-1 and UH-1 Power Plants Power Trains and Rotors Maintenance at CNATT MAR Unit, MCAS Camp Pendleton, CA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6114.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Helicopter Power Plants Mechanic, 6124.

5. MOS 6116, Tiltrotor Mechanic, MV-22 (GySgt to Pvt) PMOS

a. Summary. Tiltrotor Mechanics, MV-22; inspect and maintain tiltrotor airframes and airframe components and perform duties relating to flight line operation.

b. Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color perception.

c. Requirements

(1) For career progression, the Plane Captain (PC) Ground Syllabus Familiarization for The VM-22 aircraft must be completed.

(2) Complete the appropriate formal combined "A" and "C" school, V-22 Tiltrotor Mechanic Course at CNATT MAR Unit, MCAS New River, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6116.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. None.

6. MOS 6122, Helicopter Power Plants Mechanic, T-58 (GySgt to Pvt) PMOS

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. Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Machinist Mate Common Core Class and Aviation Machinist Mate Helicopter Fundamentals Strand Class at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, T-58 Engine First Degree Intermediate Maintenance at CNATT MAR Unit, MCAS New River, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6122.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill

- (1) Tiltrotor Mechanic, MV-22, 6116
- (2) Helicopter/Tiltrotor Mechanic, 6112.

7. MOS 6123, Helicopter Power Plants Mechanic, T-64 (GySgt to Pvt) PMOS

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. Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Machinist Mate Common Core Class and Aviation Machinist Mate Helicopter Fundamentals Strand Class at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, T-64 Power Plant Intermediate Maintenance at CNATT MAR Unit, MCAS New River, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6123.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. None.

8. MOS 6124, Helicopter Power Plants Mechanic, T-400/T-700 (GySgt to Pvt) PMOS

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. Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Machinist Mate Common Core Class and Aviation Machinist Mate Helicopter Fundamentals Strand Class at NATTC, NAS Pensacola, FL or NAS North Island, CA.

(2) Complete the appropriate formal "C" school, T400 Series Engine First Degree Intermediate Maintenance at CNATT MAR Unit, MCAS Camp Pendleton, CA and T700-GE-401/401C Engine Intermediate Maintenance CNATT, NS Mayport, FL or Engine Intermediate Maintenance (First Degree) CNATT NAS North Island, CA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6124.

e. Related Standard Occupational Classification (SOC) Title and Code.
Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Helicopter/Tiltrotor Mechanic, 6114.

9. MOS 6132, Helicopter/Tiltrotor Dynamic Components Mechanic (GySgt to Pvt) PMOS

a. Summary. Helicopter/Tiltrotor Dynamic Components Mechanics inspect, maintain, test and repair helicopter/tiltrotor dynamic components.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements. Complete the appropriate formal combined "A" and "C" school, Helicopter Dynamic Component Intermediate Maintenance at CNATT MAR Unit, MCAS New River, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6132.

e. Related Standard Occupational Classification (SOC) Title and Code.
Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Helicopter/Tiltrotor Power Plants Mechanic, 6122 to 6124.

10. MOS 6152, Helicopter Airframe Mechanic, CH-46 (GySgt to Pvt) PMOS

a. Summary. Helicopter Airframe Mechanics, CH-46; inspect, maintain, and repair helicopter airframe systems.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Structural Mechanic Core and the Aviation Structural Mechanic Organizational Level Strand at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, CH-46 Structural and Hydraulic Systems Organizational Maintenance at CNATT MAR Unit, MCAS New River, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6152.

e. Related Standard Occupational Classification (SOC) Title and Code.
Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Helicopter/Tiltrotor/Fixed-Wing Aircraft Mechanic, 615X to 625X.

11. MOS 6153, Helicopter Airframe Mechanic, CH-53 (GySgt to Pvt) PMOS

a. Summary. Helicopter Airframe Mechanics, CH-53; inspect, maintain, and repair helicopter airframe systems.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Structural Mechanic Core and the Aviation Structural Mechanic Organizational Level Strand at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, CH-53D/E Airframes Organizational Maintenance at CNATT MAR Unit, MCAS New River, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6153.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Helicopter/Tiltrotor/Fixed-Wing Aircraft Mechanic, 615X to 625X.

12. MOS 6154, Helicopter Airframe Mechanic, UH/AH-1 (GySgt to Pvt) PMOS

a. Summary. Helicopter Airframe Mechanics, UH/AH-1; inspect, maintain, and repair helicopter airframe systems.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Structural mechanic Core and the Aviation Structural Mechanic Organizational Level Strand at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, H-1 Airframes Organizational Maintenance at CNATT MAR Unit, MCAS Camp Pendleton, CA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6154.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Helicopter/Tiltrotor/Fixed-Wing Aircraft Mechanic, 615X to 625X.

13. MOS 6156, Tiltrotor Airframe Mechanic, MV-22 (GySgt to Pvt) PMOS

a. Summary. Tiltrotor Airframe Mechanics, MV-22; inspect, maintain, and repair tiltrotor airframe systems.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Structural Mechanic Core and the Aviation Structural Mechanic Organizational level Strand at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, V-22 Airframes Structures Course (Osprey) at CNATT MAR Unit, MCAC New River, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6156.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Helicopter/Tiltrotor/Fixed-Wing Aircraft Airframe Mechanic, 615X to 625X.

14. MOS 6172, Helicopter Crew Chief, CH-46 (GySgt to Pvt) PMOS

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. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

(3) Security requirement: Secret security clearance eligibility.

(4) Volunteer for duties involving flight as an aircraft crewmember.

(5) Must have WS-B(+) Water Survival Qualification.

(6) Meet the requirements of reference (aj) and (ak) with normal depth perception.

c. Requirements

(1) Complete the Naval Aviation Air crewman Candidate School at NATTC, NAS Pensacola, FL.

(2) Complete Survival, Evasion, Resistance and Escape (SERE) School at Brunswick, ME.

(3) Complete the appropriate formal combined "A" and "C" school, CH-46 (SR&M) Crew Chief Training Syllabus at CNATT Mar Unit, MCAS New River, NC.

(4) Complete the appropriate "C" school, (SR&M) Crew Chief Course at HMM (T)-164 FRS (Flight Training) MCAS Camp Pendleton, CA.

(5) Must Complete the Plane Captain (PC) Ground Syllabus for type aircraft.

d. Duties. For a complete listing of duties and tasks, refer to reference (bw), Aviation Training and Readiness Program, and reference (bv), Maintenance Training Management and Evaluation program (MATMEP) for MOSs 6112/72.

e. Related Standard Occupational Classification (SOC) Title and Code. Air Crew Members 55-3011.

f. Related Military Skill. Helicopter Mechanic, 6112.

15. MOS 6173, Helicopter Crew Chief, CH-53 (GySgt to Pvt) PMOS

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. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

(3) Security requirement: Secret security clearance eligibility.

(4) Volunteer for duties involving flight as an aircraft crewmember.

(5) Must have WS-B(+) Water Survival Qualification.

(6) Meet the requirements of reference (aj), and (ak) with normal depth perception.

c. Requirements

(1) Complete the Naval Aviation Air crewman Candidate School at NATTC, NAS Pensacola, FL.

(2) Complete Survival, Evasion, Resistance, and Escape (SERE) School at Brunswick, ME.

(3) Complete the appropriate formal (combined) "A" and "C" school, CH-53E Crew Chief Training Syllabus at CNATT MAR Unit, MCAS New River, NC.

(4) Complete the appropriate formal "C" school, CH-53E Crew Chief Training Syllabus at CNATT MAR Unit, MCAS New River, NC.

(5) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.

d. Duties. For a complete listing of duties and tasks, refer to reference (bw), Aviation Training and Readiness (T&R) Manuals, and reference (bx), Maintenance Training Management and Evaluation program (MATMEP) for MOSs 6113/6173.

e. Related Standard Occupational Classification (SOC) Title and Code.
Air Crew Members 55-3011.

f. Related Military Skill. Helicopter Mechanic, 6113.

16. MOS 6174, Helicopter Crew Chief, UH-1 (GySgt to Pvt) PMOS

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. Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color perception.
- (3) Security requirement: Secret security clearance eligibility.
- (4) Volunteer for duties involving flight as an aircraft crewmember.
- (5) Must have WS-B(+) Water Survival Qualification.
- (6) Meet the requirements of reference (aj), and reference (ak) with normal depth perception.

c. Requirements

- (1) Complete the Naval Aviation Air crewman Candidate School at NATTC, NAS Pensacola, FL.
- (2) Complete Survival, Evasion, Resistance, and Escape (SERE) School at Brunswick, ME.
- (3) Complete the appropriate formal "A" and "C" school, UH-1 Crew Chief Training Syllabus at CNATT MAR Unit, MCAS Camp Pendleton, CA.
- (4) Complete the appropriate formal "C" school, UH/HH-1 Marine enlisted Aircrew at HMT-303 FRS (Flight Training) MCAS Camp Pendleton, CA.
- (5) Must complete the Plane Captain (PC) Ground Syllabus for type aircraft.

d. Duties. For a complete listing of duties and tasks, refer to reference (bw), Aviation Training and Readiness (T&R) Manuals, and reference (by), Aviation Training and Readiness Manual, UH-1

e. Related Standard Occupational Classification (SOC) Title and Code.
Air Crew Members 55-3011.

f. Related Military Skill. Helicopter Mechanic, 6114.

17. MOS 6176, Tiltrotor Crew Chief, MV-22 (GySgt to Pvt) PMOS

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. Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color perception.
- (3) Security requirement: Secret security clearance eligibility.
- (4) Volunteer for duties involving flight as an aircraft crewmember.
- (5) Must have WS-B(+) Water Survival Qualification.
- (6) Meet the requirements of reference (aj), and (ak) with normal depth perception.

c. Requirements

- (1) Complete the Naval Aviation Air crewman Candidate School at NATTC, NAS Pensacola, FL.
- (2) Complete Survival, Evasion, Resistance, and Escape (SERE) School at Brunswick, ME.
- (3) Complete the appropriate formal "A" and "C" school, V-22 Tiltrotor Mechanic Course (Osprey) at CNATT MAR Unit, MCAS New River, NC.
- (4) Complete the appropriate formal "C" school, V-22 Tiltrotor Crew Chief Osprey at VMMT-204, (Flight Training) MCAS New River, NC.
- (5) Complete the appropriate formal "C" School, V-22 Tiltrotor Marine Enlisted Aircrew Training Course (Osprey) at VMMT-204, (Flight Training) MCAS New River, NC.
- (6) Must complete the Plane Captain (PC) Ground Syllabus for types of aircraft.

d. Duties. For a complete listing of duties and tasks, refer to reference (bw), Aviation Training and Readiness (T&R) Manuals, and reference (bv), Maintenance Training Management and Evaluation program (MATMEF) for MOSs 6116/76.

e. Related Standard Occupational Classification (SOC) Title and Code. Air Crew Members 55-3011.

f. Related Military Skill. Tiltrotor Mechanic, 6116.

18. MOS 6178, VH-60N Presidential Helicopter Crew Chief (MGySgt to LCpl) NMOS (any PMOS from 60/61/62/63/64/65)

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.

b. Prerequisites

- (1) Must have normal color perception.
- (2) Security requirement: Top Secret security clearance with Yankee White (YW) access.
- (3) Volunteer for duties involving flight as an aircraft crewmember.
- (4) Must have WS-B(+) Water Survival Qualification.

c. Requirements

- (1) Meet the requirements of reference (aj), and reference (ak) with normal depth perception.
- (2) Skill qualified in a primary MOS from any of the following OccFlds: 60/61, Aircraft Maintenance; 63/64, Avionics; 65, Aviation Ordnance.
- (3) Satisfactory performance in primary MOS duties for the initial 6 months of assignment to the HMX-1 Executive Flight Detachment.
- (4) Must complete the Plane Captain (PC) Ground Syllabus for type aircraft.
- (5) Complete all requirements contained in appropriate NATOPS manual or syllabi peculiar to the VH-60N helicopter.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6178.

e. Related Standard Occupational Classification (SOC) Title and Code.
Air Crew Members 55-3011.

f. Related Military Skill. Any PMOS from OccFld 6XXX.

19. MOS 6181, VH-XX Presidential Helicopter Crew Chief (MGySgt to LCpl) NMOS (any PMOS from 60/61/62/63/64/65)

a. Summary. VH-XX Presidential Helicopter Crew Chiefs are flight crewmembers that perform duties incident to the maintenance and operation of Marine VH-XX helicopters of the Executive Flight Detachment at HMX-1.

b. Prerequisites

- (1) Must be skill qualified in a PMOS from OccFld 60, 61, 62, 63, 64, or 65.
- (2) Must have normal color perception.
- (3) Security requirement: Top Secret security clearance eligibility with Yankee White (YW) access.
- (4) Must volunteer for duties involving flight as an aircraft crewmember.
- (5) Must have WS-B(+) Water Survival Qualification.

c. Requirements

(1) Meet the requirements of reference (aj), and the reference (ak), U.S. Navy Manual of the Medical Department with normal depth perception.

(2) Skill qualified in a PMOS from any of the following OccFlds: OccFlds 60/61/62; OccFlds 63/64, and OccFld 65.

(3) Satisfactory performance in primary MOS duties for the initial 6 months of assignment to the HMX-1 Executive Flight Detachment.

(4) Must complete the Plane Captain (PC) Ground Syllabus for type aircraft.

(5) MOS awarded upon certification by CO HMX-1 to MMOA that Marine has completed all requirements contained in appropriate NATOPS manual or syllabi peculiar to the VH-XX helicopter.

d. Duties. For a listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP).

e. Related Standard Occupational Classification (SOC) Title and Code. None.

f. Related Military Skill. Any PMOS from 6XXX.

20. MOS 6199, Enlisted Aircrew/Aerial Observer/Gunner (MGySgt to Pvt) FMOS

a. Summary. Enlisted Aircrew/Aerial Observers/Aerial Gunners are flight crewmembers that perform duties incident to the operation of Marine helicopters and tiltrotor aircraft.

b. Prerequisites

(1) Must have normal color perception.

(2) Security requirement: Secret security clearance eligibility.

(3) Volunteer for duties involving flight as an aircraft crewmember.

(4) Must have WS-"B(+)" Water Survival Qualification.

c. Requirements

(1) Meet the requirements of reference (aj) and reference (ak), the USN Manual of the Medical Department with normal depth perception.

(2) Complete all requirement contained in appropriate NATOPS Manual or syllabi peculiar to the aircraft.

d. Duties. For a complete listing of duties and tasks, refer to reference (bw), Aviation Training and Readiness Programs.

e. Related Standard Occupational Classification (SOC) Title and Code. Air Crew Members 55-3011.

f. Related Military Skill. None.

3140. OCCUPATIONAL FIELD 62, AIRCRAFT MAINTENANCE (FIXED-WING)1. MOS 6212, Fixed-Wing Aircraft Mechanic, AV-8/TAV-8 (GySgt to Pvt) PMOS

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. Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal vision.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Machinist Mate Common Core Class at NATTC, NAS Pensacola, FL and Aviation Machinist Mate Turbojet Aircraft Fundamentals Strand Class A1 at NATTC NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, AV-8 Aircraft mechanic Organizational Maintenance at CNATT MAR Unit, MCAS Cherry Point, NC.

(3) For career progression, the Plane Captain (PC) Ground Syllabus Familiarization for AV-8/TAV-8 aircraft must be completed.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6212.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Fixed-Wing Aircraft Power Plants Mechanic, 6222.

2. MOS 6213, Fixed-Wing Aircraft Mechanic, EA-6 (GySgt to Pvt) PMOS

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. Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Machinist Mate Common Core Class at NATTC, NAS Pensacola, FL, and Aviation Machinist Mate Turbojet Aircraft Fundamentals Strand Class A1 at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, EA-6B Power Plants and related Systems (initial) Organizational Maintenance at CNATT, NAS Whidbey Island, WA.

(3) For career progression, the Plane Captain (PC) Ground Syllabus Familiarization for EA-6 aircraft must be completed.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6213.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Fixed-Wing Aircraft Power Plants Mechanic, 6223.

3. MOS 6216, Fixed-Wing Aircraft Mechanic, KC-130 (GySgt to Pvt) PMOS

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. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Machinist Mate Common Core Class at NATTC, NAS Pensacola, FL and Aviation Machinist Mate Turbojet Aircraft Fundamentals Strand Class A1 at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, KC-130 Aircraft Mechanic Organizational Maintenance and/or KC-130J Aircraft Mechanic Organizational Maintenance Course at Little Rock Air Force Base, Little Rock, AR.

(3) For career progression, the Plane Captain (PC) Ground Syllabus Familiarization for KC-130 aircraft must be completed.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6216.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Fixed-Wing Aircraft Power Plants Mechanic, 6226.

4. MOS 6217, Fixed-Wing Aircraft Mechanic, F/A-18 (GySgt to Pvt) PMOS

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. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Machinist Mate Common Core Class at NATTC, NAS Pensacola, FL and Aviation Machinist Mate Turbojet Aircraft Fundamentals Strand Class A1 at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, F/A-18 Power Plants and Related Systems (initial) Organizational Maintenance at CNATT at CNATTU, NAS Lemoore, CA or CNATTU, Oceana, VA.

(3) For career progression, the Plane Captain (PC) Ground Syllabus Familiarization for the F/A-18 aircraft must be completed.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6217.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Fixed-Wing Aircraft Power Plants Mechanic, 6227.

5. MOS 6218, Fixed-Wing Aircraft Mechanic, F-35B (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing Aircraft Mechanics, F-35B inspect and maintain aircraft airframes and airframe components and perform duties relating to flight line operations.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Security requirement: Secret security clearance eligibility.

(3) Must have normal color vision.

c. Requirements

(1) Complete the Aviation Machinist Mate Common Core Class at NATTC, NAS Pensacola, FL and Aviation Machinist Mate Turbojet Aircraft Fundamentals Strands Class A1 at NATTC, NAS Pensacola, FL.

(2) Complete the F-35 Aircraft Mechanic Organizational Maintenance at CNATT site or provided by the manufacturer.

(3) For career progression, the Plane Captain (PC) Ground Syllabus Familiarization for the F-35 aircraft must be completed.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP).

e. Related Standard Occupational Classification (SOC) Title and Code

(1) Airframe and Power-Plant Mechanic 49-3011.01.

(2) Aircraft Engine Specialist 49.3011.02.

f. Related Military Skill. Fixed-Wing Aircraft Mechanic, 6212 to 6217.

6. MOS 6222, Fixed-Wing Aircraft Power Plants Mechanic, F-402 (GySgt to Pvt)
PMOS

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. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Machinist Mate Common Core Class at NATTC, NAS Pensacola, FL and Aviation Machinist Mate Turbojet Aircraft Fundamentals Strand Class A1 at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, F402-RR-408A/MK.4 CRO0305 Gas Turbine Starter (GTS)/F402-44-406A Intermediate Maintenance at CNATT MAR Unit, MCAS Cherry Point, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6222.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Fixed-Wing Aircraft Mechanic, 6212.

7. MOS 6223, Fixed-Wing Aircraft Power Plants Mechanic, J-52 (GySgt to Pvt)
PMOS

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. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Machinist Mate Common Core Class at NATTC, NAS Pensacola, FL and Aviation Machinist Mate Turbojet Aircraft Fundamentals Strand Class A1 at NATTC NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, J-52 Engine First Degree Intermediate Maintenance at CNATT, NAS Whidbey Island, WA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6223.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Fixed-Wing Aircraft Mechanic, 6213.

8. MOS 6226, Fixed-Wing Aircraft Power Plants Mechanic, T-56 (GySgt to Pvt) NMOS (6216)

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. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Machinist Mate Common Core Class at NATTC NAS Pensacola, FL and Aviation Machinist Mate Turbojet Aircraft Fundamentals Strand Class A1 at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, Aircraft Power Plants Mechanic T-56 at CNATT MAR Unit, MCAS Cherry Point, NC, or Ft Worth, TX.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6226.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Fixed-Wing Aircraft Mechanic, 6216.

9. MOS 6227, Fixed-Wing Aircraft Power Plants Mechanic, F-404 (GySgt to Pvt) PMOS

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. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Machinist Mate Common Core Class at NATTC, NAS Pensacola, FL and Aviation Machinist Mate Turbojet Aircraft Fundamentals Strand Class A1 at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, F404-GD-400/402 Engine First Degree Intermediate Maintenance at CNATTU, NAS Lemoore, CA or CNATTU, Oceana, VA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6227.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Fixed-Wing Aircraft Mechanic, 6217.

10. MOS 6242, Fixed-Wing Aircraft Flight Engineer, KC-130 (MGySgt to Sgt) NMOS (6276)

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 post flight inspections of the aircraft, supervise servicing functions and record all discrepancies upon completion of flight, maintaining records per references (cu) and (cv). Perform the duties of the aircraft mechanic, aircraft power plants mechanic, and KC-130 flight mechanic.

b. Prerequisites

(1) Must be qualified in MOS 6276.

(2) Security requirement: Secret security clearance eligibility.

(3) Four years of obligated service upon assignment of MOS 6242.

c. Requirements

(1) Complete CNATT MAR UNIT Crs M-050-0418 (Flight Engineer Ground School).

(2) Complete FRS flight Training requirement as specified in the appropriate NATOPS Manual and outlined in reference (cw), MCO P3500.15, Aviation Training and Readiness (T&R) Manual.

d. Duties. For a complete listing of duties and tasks, refer to reference (bw), reference (bv), Maintenance Training Management and Evaluation program (MATMEP) for MOS 6242.

e. Related Standard Occupational Classification (SOC) Title and Code. Air Crew Members 55-3011.

f. Related Military Skill

(1) Fixed-Wing Aircraft Mechanic, 6216.

(2) Fixed-Wing Aircraft Power Plants Mechanic, 6226.

11. MOS 6246, Fixed-Wing Transport Aircraft Specialist, C-20 (MGySgt to LCpl) NMOS (any PMOS from 60/61/62/63/64)

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 NMOS only.

b. Prerequisites

(1) Must have skill qualified in a primary MOS from any of the following OccFlds: 60/61/62, Aircraft Maintenance; 63/64, Avionics.

(2) Must volunteer for aircrew training.

c. Requirements

(1) Satisfactory performance in primary MOS duties for the initial six months of assignment to VMR-1.

(2) Meet the requirements of reference (ak), and (aj), the USN Manual of the Medical Department.

(3) Complete appropriate C-20 Mechanical Systems Organizational Maintenance Initial Course, Avionics/Electrical Systems Organizational Maintenance Course at Flight Safety International, Savannah, GA.

(4) Complete all requirement contained in appropriate NATOPS manual or syllabi peculiar to the C-20 Fixed-Wing Transport Aircraft.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6246.

e. Related Standard Occupational Classification (SOC) Title and Code.
Air Crew Members 55-3011.

f. Related Military Skill

(1) Fixed-Wing Aircraft Mechanic, 62XX.

(2) Fixed-Wing Aircraft Flight Engineer, KC-130, 6242.

12. MOS 6251, Fixed-Wing Aircraft Airframe Mechanic-Trainee (SSgt to Pvt) PMOS

a. Summary. Fixed-Wing Aircraft Airframe Mechanic Trainees, under instruction or close supervision, train for one of the aircraft airframe systems technician MOSs.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

(3) Complete respirator physical.

c. Requirements. See prerequisites.

d. Duties. Performs duties under instruction.

e. Related Standard Occupational Classification (SOC) Title and Code. Enlisted Military Training/Reporting/Special Duty Code (no related SOC) 00-0001.

f. Related Military Skill. None.

13. MOS 6252, Fixed-Wing Aircraft Airframe Mechanic, AV-8/TAV-8 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing Aircraft Airframe Mechanics, AV-8/TAV-8; inspect, maintain, and repair aircraft hydraulic/pneumatic and structure systems.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school at Aviation Structural Mechanic Core and Aviation Structural Mechanic Organizational Level Strand at NATTC NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, AV-8B Airframes Organizational Maintenance Course at CNATT MAR Unit, MCAS Cherry Point, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6252.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Helicopter/Tiltrotor/Fixed-Wing Aircraft Mechanic, 615X to 625X.

14. MOS 6253, Fixed-Wing Aircraft Airframe Mechanic, EA-6 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing Aircraft Airframe Mechanics, EA-6; inspect, maintain, and repair aircraft hydraulic/pneumatic and structure systems.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Structural Mechanic Core and Aviation Structural Mechanic Organizational Level Strand at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, EA-6B Hydraulic/Structures Systems (initial) Organizational Maintenance at CNATT, NAS Whidbey Island, WA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6253.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Helicopter/Tiltrotor/Fixed-Wing Aircraft Mechanic, 615X to 625X.

15. MOS 6256, Fixed-Wing Aircraft Airframe Mechanic, KC-130 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft airframe mechanics, KC-130, inspect, maintain, and repair aircraft hydraulic/pneumatic and structure systems.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Structural Mechanic Core and Aviation Structural Mechanic Organizational Level Strand at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, Aircraft Airframe Mechanic KC-130 or KC-130J Aircraft Mechanic Organizational Level at Little Rock Air Force Base, Little Rock, AR.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6256.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Helicopter/Tiltrotor/Fixed-Wing Airframe Mechanic, 615X to 615X.

16. MOS 6257, Fixed-Wing Aircraft Airframe Mechanic, F/A-18 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing Aircraft Airframe Mechanics, F/A-18; inspect, maintain, and repair aircraft hydraulic/pneumatic and structure systems.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Structural Mechanic Core and Aviation Structural Mechanic Organizational Level Strands at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, F/A-18 Aviation Hydraulic/Structural Mechanic (initial) Organizational Maintenance at CNATTU, NAS Lemoore, CA or CNATTU, Oceana, VA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6257.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. Helicopter/Tiltrotor/Fixed-Wing Aircraft Mechanic, 615X to 625X.

17. MOS 6258, Fixed-Wing Aircraft Airframe Mechanic, F-35B (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing Aircraft Airframe Mechanics, F35B inspect, maintain, and repair aircraft hydraulic/pneumatic and structure systems.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Security requirement: Secret security clearance eligibility.

(3) Must have normal color perception.

c. Requirements

(1) Complete the Aviation Structural Mechanic Core and Aviation Structural Mechanic Organizational Level Strand at NATTC, NAS Pensacola, FL.

(2) Complete the F-35 Airframes Organizational Maintenance Course at CNATT site or provided by the manufacturer.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6258.

e. Related Standard Occupational Classification (SOC) Title and Code

(1) Aircraft Body and Bonded Structure Repairer 49-3011.03.

(2) Airframe and Power Plant Mechanic 49-3011.01.

f. Related Military Skill. Helicopter/Tiltrotor/Fixed-Wing Aircraft Mechanic, 615X to 625X.

18. MOS 6276, Fixed-Wing Aircraft Crew Chief, KC-130 (MGySgt to Pvt) PMOS

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(s), propeller(s), electrical, bleed air/anti-ice, fuel, hydraulic, and comm/nav. Operational training will

familiarize the crew chief with aerial refueling and low-level operations. The following duties apply during the flight portions for the crew chief mission: safety observer for aerial refueling evolutions staging/loading of cargo and passengers aboard tactical transport aircraft, transporting of and loading of (certified) hazardous material aboard military aircraft, determining cargo restraint criteria, apply cargo restraints, computing of weight and balance, conduct aerial delivery of passengers and cargo, and rapid ground refueling.

b. Prerequisites

- (1) Must be a U.S. citizen.
- (2) Must possess an MM score of 105 or higher.
- (3) Must have a GT score of 110 or higher.
- (4) Must have normal color perception.
- (5) Volunteer for duties involving flight as an aircraft crewmember.
- (6) Must have WS-B(+) Water Survival Qualification.
- (7) Security requirement: Secret security clearance eligibility.
- (8) Must have 30-months obligated services.
- (9) Meet the requirement of reference (aj), and reference (ak), the USN Manual of the Medical Department with normal depth perception.

c. Requirements

- (1) Sgt to Pvt:
 - (a) Complete the Naval Aviation Enlisted Aircrew Training School at CNATTC, NAS Pensacola, FL.
 - (b) Complete Survival Evasion Resistance and Escape (SERE) School.
 - (c) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.
 - (d) Complete the Plane Captain (PC) ground syllabus for aircraft type.
 - (e) Complete the appropriate formal "C" schools and appropriate KC-130 Flight Mechanic Organizational Maintenance Course at Little Rock Air Force Base, Little Rock, AR.
 - (f) Complete the appropriate formal "C" school at VMGRT-253 FRS.
 - (g) Complete the Loadmaster Initial Qualification (LIQ) Course at Little Rock Air Force Base, Little Rock, AR.
 - (h) Complete the Basic Loadmaster (BLM) Course at Little Rock Air Force Base, Little Rock, AR.

(2) MGySgt to SSgt:

(a) Complete the Loadmaster Qualification (LMQ) Course, Little Rock Air Force Base, Little Rock, AR.

(b) Must have 30 months of obligated service upon completion of the formal training at Little Rock Air Force Base, Little Rock, AR. Reserves must have 90 days of active duty upon completion of required training at Little Rock, AR.

d. Duties. For a complete listing of duties and tasks, refer reference (bw), Aviation Training and Readiness (T&R) Manual, and reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6276.

e. Related Standard Occupational Classification (SOC) Title and Code. Air Crew Members 55-3011.

f. Related Military Skill. None.

19. MOS 6281, Fixed-Wing Aircraft Safety Equipment Mechanic-Trainee (GySgt to Sgt) PMOS

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. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

c. Requirements. See prerequisites.

d. Duties. Perform duties under instruction.

e. Related Standard Occupational Classification (SOC) Title and Code. Enlisted Military Training/Reporting/Special Duty Code (no related SOC) 00-0001.

f. Related Military Skill. None.

20. MOS 6282, Fixed-Wing Aircraft Safety Equipment Mechanic, AV-8/TAV-8 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing Aircraft Safety Equipment Mechanics, AV-8/TAV-8; inspect, maintain, and repair aircraft centered safety equipment and systems.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Must meet the medical requirements for Explosives Handlers contained in reference (ak), Article 15-71B of the Naval Medical Department Manual.

(4) Must meet the criteria to be fully qualified and certified as per (bf).

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Structural Mechanic E (Safety Equipment) Core Class A1 and Aviation Structural Mechanic and (Safety Equipment) Egress Strand Class A1 at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, AV-8B Aircraft Safety Equipment Mechanic Organizational Maintenance at CNATT MAR Unit, MCAS Cherry Point, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6282.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. None

21. MOS 6283, Fixed-Wing Aircraft Safety Equipment Mechanic, EA-6 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft safety equipment mechanics, EA-6; inspect, maintain, and repair aircraft centered safety equipment and systems.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

(3) Must meet the medical requirements for Explosives Handlers contained in reference (ak), Naval Medical Department Manual, Article 15-71B.

(4) Must meet the criteria to be fully qualified and certified as per reference (bf).

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Structural Mechanic E (Safety Equipment) Core Class A1 and Aviation Structural Mechanic E (Safety Equipment) Egress Strand Class A1 at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, EA-6B Safety Equipment (Initial) Organizational Maintenance at CNATT, NAS Whidbey Island, WA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6283.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. None.

22. MOS 6286, Fixed-Wing Aircraft Safety Equipment Mechanic, KC-130/V-22 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing Aircraft Safety Equipment Mechanics, KC-130/V-22; inspect, maintain, and repair aircraft centered safety equipment and systems.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

(3) Must meet the medical requirements for Explosives Handlers contained in referenc3e (ak), Article 15-71B, US Naval Medical Department Manual.

(4) Must meet the criteria to be fully qualified and certified as per reference (bf).

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Structural Mechanic E (Safety Equipment) Core Class A1 and Aviation Structural Mechanic E (Safety Equipment) Egress Strand Class A1 at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, KC-130 Safety and Survival Organizational Maintenance or KC-130J Safety and Survival Organizational Level Maintenance Course at CNATT MAR Unit, MCAS Cherry Point, NC, or the Environmental Control System Class CNATT MAR Unit, Little Rock, AFB.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6286.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. None.

23. MOS 6287, Fixed-Wing Aircraft Safety Equipment Mechanic, F/A-18 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing Aircraft Safety Equipment Mechanics, F/A-18; inspect, maintain, and repair aircraft centered safety equipment and systems.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

(3) Must meet the medical requirements for Explosives Handlers contained in referenc3e (ak), Article 15-71B, US Naval Medical Department Manual.

(4) Must meet the criteria to be fully qualified and certified as per reference (bf).

c. Requirements

(1) Complete the appropriate formal "A" school, Aviation Structural Mechanic E (Safety Equipment) Core Class A1 and Aviation Structural Mechanic E (Safety Equipment) Egress Strand Class A1 at NATTC, NAS Pensacola, FL.

(2) Complete the appropriate formal "C" school, F/A-18 Environmental Control System and Safety Equipment (initial) Organizational Maintenance at CNATTU, NAS Lemoore, CA or CNATTU, Oceana, VA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6287.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Mechanics and Service Technicians 49-3011.

f. Related Military Skill. None.

24. MOS 6288, Fixed-Wing Aircraft Safety Equipment Mechanic, F-35B (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing Aircraft Safety Equipment Mechanic, F-35B inspect, maintain and repair aircraft centered safety equipment and systems.

b. Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Security requirement: Secret security clearance eligibility.

(3) Must have normal color perception.

(4) Must meet the medical requirements for Explosive Handlers contained in NAVMED P-117, Article 15-71B.

(5) Must meet the criteria to be fully qualified and certified as per reference (bf), MCO 8023.3B.

c. Requirements

(1) Complete the Aviation Structural Mechanic E (Safety Equipment) Core Class A1 and Aviation Structural Mechanic E (Safety Equipment) Egress Strand Class A1 at NATTC, NAS Pensacola, FL.

(2) Complete the F-35 Aircraft Safety Equipment Mechanic Organizational Maintenance at CNATT site or provided by the manufacturer.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP).

e. Related Standard Occupational Classification (SOC) Title and Code. Airframe and Power Plant Mechanic 49-3011.01.

f. Related Military Skill. Fixed-Wing Aircraft Safety Equipment Mechanic, 6282 and 6287.

GySgt	6212	6213	6216	6217	6218	6222	6223	6227		6252
SSgt	6212	6213	6216	6217	6218	6222	6223	6227	6251	6252
Sgt	6212	6213	6216	6217	6218	6222	6223	6227	6251	6252
Cpl	6212	6213	6216	6217	6218	6222	6223	6227	6251	6252
LCpl	6212	6213	6216	6217	6218	6222	6223	6227	6251	6252
PFC	6212	6213	6216	6217	6218	6222	6223	6227	6251	6252
Pvt	6212	6213	6216	6217	6218	6222	6223	6227	6251	6252

MOS Title
 6212 Fixed-Wing Aircraft Mechanic, AV-8/TAV-8 (PMOS)
 6213 Fixed-Wing Aircraft Mechanic, EA-6 (PMOS)
 6216 Fixed-Wing Aircraft Mechanic, KC-130 (PMOS)
 6217 Fixed-Wing Aircraft Mechanic, F/A-18 (PMOS)
 6218 Fixed-Wing Aircraft Mechanic, F-35B (PMOS)
 6222 Fixed-Wing Aircraft Power Plants Mechanic, F-402 (PMOS)
 6223 Fixed-Wing Aircraft Power Plants Mechanic, J-52 (PMOS)
 6227 Fixed-Wing Aircraft Power Plants Mechanic, F-404 (GySgt to Pvt) (PMOS)
 6251 Fixed-Wing Aircraft Airframe Mechanic-Trainee (PMOS)
 6252 Fixed-Wing Aircraft Airframe Mechanic, AV-8/TAV-8 MOS (PMOS)

Figure 3-31.--Aircraft Maintenance (Fixed-Wing)

GySgt	6256	6257	6258	6276	6281	6282	6283	6286	6287	6288
SSgt	6256	6257	6258	6276	6281	6282	6283	6286	6287	6288
Sgt	6256	6257	6258	6276	6281	6282	6283	6286	6287	6288
Cpl	6256	6257	6258	6276	6281	6282	6283	6286	6287	6288
LCpl	6256	6257	6258	6276	6281	6282	6283	6286	6287	6288
PFC	6256	6257	6258	6276	6281	6282	6283	6286	6287	6288
Pvt	6256	6257	6258	6276	6281	6282	6283	6286	6287	6288

MOS Title
6256 Fixed-Wing Aircraft Airframe Mechanic, KC-130 (PMOS)
6257 Fixed-Wing Aircraft Airframe Mechanic, F/A-18 (PMOS)
6258 Fixed-Wing Aircraft Airframe Mechanic, F-35B (PMOS)
6276 Fixed-Wing Aircraft Crew Chief, KC-130 (PMOS)
6281 Fixed-Wing Aircraft Safety Equipment Mechanic-Trainee (PMOS)
6282 Fixed-Wing Aircraft Safety Equipment Mechanic, AV-8/TAV-8 (PMOS)
6283 Fixed-Wing Aircraft Safety Equipment Mechanic, EA-6 (PMOS)
6286 Fixed-Wing Aircraft Safety Equipment Mechanic, KC-130/V-22 (PMOS)
6287 Fixed-Wing Aircraft Safety Equipment Mechanic, F/A-18 (PMOS)
6288 Fixed-Wing Aircraft Safety Equipment Mechanic, F-35B (PMOS)

Figure 3-31.--Aircraft Maintenance (Fixed-Wing)

MGySgt		6242	6246
MSgt		6242	6246
GySgt	6226	6242	6246
SSgt	6226	6242	6246
Sgt	6226	6242	6246
Cpl	6226		6246
LCpl	6226		6246
PFC	6226		
Pvt	6226		

MOS	Title
6226	Fixed-Wing Aircraft Power Plants Mechanic, T-56 (NMOS)
6242	Fixed-Wing Aircraft Flight Engineer, KC-130 (NMOS)
6246	Fixed-Wing Transport Aircraft Specialist, C-20 (NMOS)

Figure 3-31.--Aircraft Maintenance (Fixed-Wing)

3141. OCCUPATIONAL FIELD 63, ORGANIZATIONAL AVIONICS MAINTENANCE

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, and 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, and Headquarters U.S. Marine Corps level.

2. MOS 6312, Aircraft Communications/Navigation/Radar Systems Technician, AV-8 (GySgt to Pvt) PMOS

a. Summary. Aircraft Communications/Navigation/Radar Systems Technicians, AV-8, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/Radar Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must possess an EL score of 105 or higher.
- (3) Security requirement: Secret security clearance eligibility.
- (4) Must have normal color perception.

c. Requirements

(1) Complete the Avionics Technician O Level Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the AV-8B Communication/Navigation/Identification/ECM Systems Organizational Maintenance Course at CNATT Mar Unit Cherry Point, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6312.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

3. MOS 6313, Aircraft Communications/Navigation/Radar Systems Technician, EA-6 (GySgt to Pvt) PMOS

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/Radar Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must have normal color perception.
- (3) Must possess an EL score of 105 or higher.
- (4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Avionics Technician O Level Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the EA-6B Communication/Navigation/Radar/ECM Systems Organization Maintenance Course at CNATT Unit Whidbey Island, WA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6313.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

4. MOS 6314, Unmanned Aircraft System (UAS) Avionics/Maintenance Technician (GySgt. to Pvt.) PMOS

a. Summary. Unmanned Aircraft System (UAS) Avionics/Maintenance Technicians install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of which aggregate, constitutes a complete UAS and perform duties relating to flight line operations at the OMA Level.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must have normal color perception
- (3) Must possess an EL score of 105 or higher.
- (4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Avionics Technician O Level Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the Shadow UAS Repairer Course at U.S. Army Intel School, Ft Huachuca, AZ.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6314.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

5. MOS 6316, Aircraft Communications/Navigation Systems Technician, KC-130 (GySgt to Pvt) PMOS

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 Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Prerequisites

(1) Must be a U.S. Citizen.

(2) Must have normal color perception.

(3) Must possess an EL score of 105 or higher.

(4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Avionics Technician O Level Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the KC-130 Communication/Navigation/Identification Organizational Maintenance Course at CNATT Mar Unit Cherry Point, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6316.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

6. MOS 6317, Aircraft Communications/Navigation/Radar Systems Technician, F/A-18 (GySgt to Pvt) PMOS

a. Summary. Aircraft Communications/Navigation/Radar Systems Technicians, F/A-18, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Radar Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must have normal color perception.
- (3) Must possess an EL score of 105 or higher.
- (4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Avionics Technician O Level Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the F/A-18 Avionic Systems Initial Organizational Maintenance Course at CNATT Unit NAS Lemoore, CA or NAS Oceana, VA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6317.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

7. MOS 6322, Aircraft Avionics Technician, CH-46 (GySgt to Pvt) PMOS

a. Summary. Aircraft Avionics Technicians, CH-46, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed aircraft communications, navigation, electrical, and deceptive electronic countermeasures systems at the OMA level.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must have normal color perception.
- (3) Must possess an EL score of 105 or higher.
- (4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Electricians Mate Course Class A1, or Avionics Technician O Level Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the CH-46 Communication/Navigation/Identification Systems Organizational Maintenance Course at CNATT Mar Unit New River, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6322.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

8. MOS 6323, Aircraft Avionics Technician, CH-53 (GySgt to Pvt) PMOS

a. Summary. Aircraft Avionics Technicians, CH-53, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed aircraft communications, navigation, electrical and deceptive electronic countermeasures systems at the OMA level.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must have normal color perception
- (3) Must possess an EL score of 105 or higher.
- (4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Avionics Electrician Mate Course Class A1, or Avionics Technician O Level Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the CH-53E Communication/Electrical Systems Organizational Maintenance course at CNATT Mar Unit New River, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6323.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

9. MOS 6324, Aircraft Avionics Technician, U/AH-1 (GySgt to Pvt) PMOS

a. Summary. Aircraft Avionics Technician, U/AH-1, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed aircraft communications, navigation, electrical and deceptive electronic countermeasures systems at the OMA level.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must have normal color perception
- (3) Must possess an EL score of 105 or higher.
- (4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Avionics Electricians Mate Course Class A1, or Avionics Technician O Level Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the H-1 Communication/Navigation/Identification Systems Maintenance course at CNATT Mar Unit Camp Pendleton, CA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6324.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

10. MOS 6326, Aircraft Avionics Technician, V-22 (GySgt to Pvt) PMOS

a. Summary. Aircraft Avionics Technicians, V-22, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Prerequisites

(1) Must be a U.S. Citizen.

(2) Must possess an EL score of 105 or higher.

(3) Security requirement: Secret security clearance eligibility.

(4) Must have normal color perception.

c. Requirements

(1) Complete the Aviation Electricians Mate Course Class A1 or Avionics Technician O level Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the V-22 Avionics (Osprey) Course at CNATT Mar Unit New River, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6326.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

11. MOS 6332, Aircraft Electrical Systems Technician, AV-8 (GySgt to Pvt) PMOS

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. Prerequisites

(1) Must be a U.S. Citizen.

(2) Must have normal color perception.

(3) Must possess an EL score of 105 or higher.

(4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Aviation Electricians Mate Course Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the AV-8B Electrical Systems Organizational Maintenance Courses CNATT Mar Unit Cherry Point, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6332.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None

12. MOS 6333, Aircraft Electrical Systems Technician, EA-6 (GySgt to Pvt) PMOS

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. Prerequisites

(1) Must be a U.S. Citizen.

(2) Must have normal color perception.

(3) Must possess an EL score of 105 or higher.

(4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Aviation Electricians Mate Course Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the EA-6B Initial Electrical and Instrument Systems Organizational Maintenance Course at CNATT Unit NAS Whidbey Island, WA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6333.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

13. MOS 6336, Aircraft Electrical Systems Technician, KC-130 (GySgt to Pvt)
PMOS

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. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must have normal color perception.
- (3) Must possess an EL score of 105 or higher.
- (4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Aviation Electricians Mate Course Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the KC-130 Electrical/Instrument Systems initial Organizational Maintenance Course at CNATT Mar Unit Cherry Point, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6336.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

14. MOS 6337, Aircraft Electrical Systems Technician, F/A-18 (GySgt to Pvt)
PMOS

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. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must have normal color perception.
- (3) Must possess an EL score of 105 or higher.
- (4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Aviation Electricians Mate Course Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the F/A-18 Electrical/Instrument Systems Initial Organizational Maintenance Course at CNATT Unit NAS Lemoore or NAS Oceana, VA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6337.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

15. MOS 6338, Aircraft Avionics Technician, F-35B (GySgt to Pvt) PMOS

a. Summary. Aircraft Avionics Technician, F-35, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed aircraft communications, navigation, electrical, and deceptive electronic countermeasures systems at the OMA Level.

b. Prerequisites

(1) Must be a U.S. Citizen.

(2) Must possess EL score of 105 or higher.

(3) Security requirement: Secret security clearance eligibility.

(4) Must have normal color perception.

c. Requirements

(1) Complete the Aviation Electricians Mate Course Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the F-35B Avionics Systems Organizational Maintenance Course at the CNATT training site at Eglin AFB, FL.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6337.

e. Related Standard Occupational Classification (SOC) Title and Code

f. Related Military Skill. Aircraft Electrical Systems Technician 6332 and 6337.

16. MOS 6386, Aircraft Electronic Countermeasures Systems Technician, EA-6B (GySgt to Pvt) PMOS

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. Prerequisites

(1) Must be a U.S. Citizen.

(2) Must have normal color perception.

(3) Must possess an EL score of 105 or higher.

(4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Avionics Technician O Level Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the EA-6B ECM Initial Organizational Maintenance Course at CNATT Unit NAS Whidbey Island, WA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6336.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

17. MOS 6391, Avionics Maintenance Chief (MGySgt and MSgt) PMOS

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. Prerequisites

(1) Must be a U.S. Citizen.

(2) Must possess an EL score of 105 or higher.

(3) Security requirement: Secret security clearance eligibility.

(4) Must have normal color perception.

c. Requirements. Must satisfy the requirements for one of the PMOSs within the 63 or 64 OccFlds.

d. 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. All records must be maintained according to NARA-approved dispositions per references (cu) and (cv).

(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.

e. Related Standard Occupational Classification (SOC) Title and Code. First-line Supervisors/Managers of Mechanics, Installers, and Repairers 49-1011.

f. Related Military Skill. None.

MGySgt	6391														
NSgt	6391														
GySgt	6312	6313	6314	6316	6317	6322	6323	6324	6326	6332	6333	6336	6337	6338	6386
SSgt	6312	6313	6314	6316	6317	6322	6323	6324	6326	6332	6333	6336	6337	6338	6386
Sgt	6312	6313	6314	6316	6317	6322	6323	6324	6326	6332	6333	6336	6337	6338	6386
Cpl	6312	6313	6314	6316	6317	6322	6323	6324	6326	6332	6333	6336	6337	6338	6386
LCpl	6312	6313	6314	6316	6317	6322	6323	6324	6326	6332	6333	6336	6337	6338	6386
PFC	6312	6313	6314	6316	6317	6322	6323	6324	6326	6332	6333	6336	6337	6338	6386
Pvt	6312	6313	6314	6316	6317	6322	6323	6324	6326	6332	6333	6336	6337	6338	6386

MOS	TITLE
6300	Basic Avionics Marine (Basic MOS)
6312	Aircraft Communications/Navigation/Radar Systems Technician, AV-8 (PMOS)
6313	Aircraft Communications/Navigation/Radar Systems Technician, EA-6 (PMOS)
6314	Unmanned Aircraft System (UAS) Avionics/Maintenance Technician (PMOS)
6316	Aircraft Communications/Navigation Systems Technician, KC-130 (PMOS)
6317	Aircraft Communications/Navigation/Radar Systems Technician, F/A-18 (PMOS)
6322	Aircraft Avionics Technician, CH-46 (PMOS)
6323	Aircraft Avionics Technician, CH-53 (PMOS)
6324	Aircraft Avionics Technician, U/AH-1 (PMOS)
6326	Aircraft Avionics Technician, V-22 (PMOS)
6332	Aircraft Electrical Systems Technician, AV-8 (PMOS)
6333	Aircraft Electrical Systems Technician, EA-6 (PMOS)
6336	Aircraft Electrical Systems Technician, KC-130 (PMOS)
6337	Aircraft Electrical Systems Technician, F/A-18 (PMOS)
6338	Aircraft Avionics Technician, F-35 (PMOS)
6386	Aircraft Electronic Countermeasures Systems Technician, EA-6B (PMOS)
6391	Avionics Maintenance Chief, OHA/IHA (PMOS)

Figure 3-32.--Organizational Avionics Maintenance

3142. OCCUPATIONAL FIELD 64, INTERMEDIATE AVIONICS MAINTENANCE1. MOS 6414, Aircraft Communications/Navigation/Cryptographic Systems Technician, IMA (GySgt to Pvt) PMOS

a. Summary. Aircraft Communications/Navigation/Cryptographic 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, or cryptographic system beyond normal fault isolation procedures.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must have normal color perception.
- (3) Must possess an EL score of 105 or higher.
- (4) Security requirement: Secret security clearance eligibility.

c. Requirements

- (1) Complete the Avionics Technician I Level Class A1.
- (2) Complete the Aircraft Communications/Navigation Systems Pipeline Course, IMA at CNATT Mar Unit Cherry Point, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6414.

e. Related Standard Occupational Classification (SOC) Title and Code. First-Line Supervisors/Managers of Mechanics, Installers, and Repairers 49-1011.

f. Related Military Skill. None.

2. MOS 6423, Aviation Electronic Micro/miniature Component and Cable Repair Technician, IMA (Sgt to Pvt) PMOS

a. Summary. Aviation Electronic Micro/Miniature Component and Cable Repair Technicians, at the IMA level, inspect, test, maintain, and repair modules, cards, printed-circuit boards, cables, and miniature and micro-miniature components. They also perform appropriate level of corrosion control.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must have normal color perception.
- (3) Must possess an EL score of 105 or higher.
- (4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Aviation Electrician's Mate Course Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the Miniature Electronics Repair Course, IMA at CNATT Det San Diego, CA or Fleet Training Center, Norfolk, VA or NAMTRAGRU Det NS Mayport, FL.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6423.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

3. MOS 6432, Aircraft Electrical/Instrument/Flight Control Systems Technician, Fixed Wing, IMA (Sgt to Pvt) PMOS

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. Prerequisites

(1) Must be a U.S. Citizen.

(2) Must have normal color perception.

(3) Must possess an EL score of 105 or higher.

(4) Security requirement: Secret security eligibility.

c. Requirements

(1) Complete the Aviation Electrician's Mate Course Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the Fixed Wing Avionics Electrical/Instrument/Flight Control Systems Pipeline Courses, IMA at CNATT Mar Unit Cherry Point, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6432.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

4. MOS 6433, Aircraft Electrical/Instrument/Flight Control Systems Technician, Rotor Wing, IMA (Sgt to Pvt) PMOS

a. Summary. Aircraft Electrical/Instrument/Flight Control Systems Technicians, rotor 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. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must have normal color perception.
- (3) Must possess an EL score of 105 or higher.
- (4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Aviation Electrician's Mate Course Class A1, at NATTC NAS Pensacola, FL.

(2) Complete the Rotary Wing Avionics Electrical/Instrument/Flight Control Systems Pipeline Courses, IMA at CNATT Mar Unit Camp Pendleton, CA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation (MATMEP) for MOS 6433.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

5. MOS 6434, Advanced Aircraft Electrical/Instrument/Flight Control Systems Technician, IMA (GySgt and SSgt) PMOS

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. Prerequisites. Must meet prerequisites for MOS 6423, 6432, or 6433.

c. Requirements. Must satisfy requirements for MOSs 6423, 6432, or 6433.

d. 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, maintaining such records per references (cu) and (cv).

(e) Performs expanded troubleshooting using concise fault isolation.

(2) GySgt: Organizes and administers facilities for the maintenance and repair of aircraft electrical/flight control systems at the IMA level.

e. Related Standard Occupational Classification (SOC) Title and Code. First-Line Supervisors/Managers of Mechanics, Installers, and Repairers 49-1011.

f. Related Military Skill. None.

6. MOS 6469, Consolidated Automatic Support System (CASS) Technician IMA (GySgt to Pvt) PMOS

a. Summary. Consolidated Automatic Support System (CASS) Technician, 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. Prerequisites

(1) Must be a U.S. Citizen.

(2) Must have normal color perception.

(3) Must possess an EL score of 105 or higher.

(4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Avionics Technician I Level Class A1, at NATTC, Pensacola, FL.

(2) Complete the Consolidated Automated Support System (CASS) Test Station Operator/Maintainer/Technician, IMA course at CNATT Unit NAS North Island, CA or CNATT Unit NAS Oceana, VA.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEF) for MOS 6469.

e. Related Standard Occupational Classification (SOC) Title and Code. First-Line Supervisors/Managers of Mechanics, Installers, and Repairers 49-1011.

f. Related Military Skill

7. MOS 6483, Aircraft Electronic Countermeasures Systems Technician, Rotor Wing, IMA (GySgt to Pvt) PMOS

a. Summary. Aircraft Electronic Countermeasures Systems Technicians, rotor 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. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must have normal color perception.
- (3) Must possess an EL score of 105 or higher.
- (4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Avionics Technician I Level Class A1, at NATTC, Pensacola, FL.

(2) Complete Helo Deceptive Electronic Countermeasures (DECM) Course, IMA at CNATT Mar Unit Cherry Point, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6483.

e. Related Standard Occupational Classification (SOC) Title and Code. Avionics Technicians 49-2091.

f. Related Military Skill. None.

8. MOS 6492, Aviation Precision Measurement Equipment (PME) Calibration/Repair Technician, IMA (GySgt to Pvt) PMOS

a. Summary. Aviation Precision Measurement Equipment (PME) Calibration/Repair Technicians test, maintain, calibrate and repair aviation precision measurement and automatic test equipment.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must have normal color perception.
- (3) Must possess an EL score of 110 or higher.
- (4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Avionics Technician I Level Class A1, NATTC, NAS Pensacola, FL.

(2) Complete the Aviation Basic Calibration Technician Pipeline Course at CNATT Unit Keesler, AFB, Biloxi, MS.

d. Duties. For a complete listing of duties and tasks, refer to reference (bv), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6492.

e. Related Standard Occupational Classification (SOC) Title and Code.
Precision Instrument and Equipment Repairers, All Other 49-9069.

f. Related Military Skill. None.

9. MOS 6499, Mobile Facility Technician (GySgt to Pvt) PMOS

a. Summary. Mobile Facility Technicians inspect, service, maintain, and repair mobile facilities and associated environmental control units, generators, and all other electrical and ancillary equipment.

b. Prerequisites

(1) Must be a U.S. Citizen.

(2) Must have normal color perception.

(3) Must possess an EL score of 105 or higher.

(4) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Aviation Support Equipment Technical Class A1, at NATTC, NAS Pensacola, FL.

(2) Complete the Mobile Facility Technician Pipeline course at CNATT, NAS North Island, CA or CNATT, NAS Jacksonville, FL.

d. Duties. For a complete listing of duties and tasks, refer reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6499.

e. Related Standard Occupational Classification (SOC) Title and Code.
Heating, Air Conditioning, and Refrigeration Mechanics and Installers 49-9021.

f. Related Military Skill. Refrigeration Mechanic, 1161.

GySgt	6414		6434		6469	6483	6492	6499
SSgt	6414		6434		6469	6483	6492	6499
Sgt	6414	6423	6432	6433	6469	6483	6492	6499
Cpl	6414	6423	6432	6433	6469	6483	6492	6499
LCpl	6414	6423	6432	6433	6469	6483	6492	6499
PFC	6414	6423	6432	6433	6469	6483	6492	6499
Pvt	6414	6423	6432	6433	6469	6483	6492	6499

MOS	Title
6414	Aircraft Communications/Navigation/Cryptographic Systems Technician, IMA (PMOS)
6423	Aviation Electronic Micro/miniature Component and Cable Repair Technician, IMA (PMOS)
6432	Aircraft Electrical/Instrument/Flight Control Systems Technician, Fixed Wing, IMA (PMOS)
6433	Aircraft Electrical/Instrument/Flight Control Systems Technician, Rotor Wing, IMA (PMOS)
6434	Advanced Aircraft Electrical/Instrument/Flight Control Systems Technician, IMA (GySgt and SSgt) (PMOS)
6469	Consolidated Automatic Support System (CASS) Technician IMA (PMOS)
6483	Aircraft Electronic Countermeasures Systems Technician, Rotor Wing, IMA (PMOS)
6492	Aviation Precision Measurement Equipment (PME) Calibration/Repair Technician, IMA (PMOS)
6499	Mobile Facility Technician (PMOS)

Figure 3-33.--Intermediate Avionics Maintenance

3143. 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 AO A1 School at Pensacola, FL with follow-on training at one of several CNATT 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 6531, Aircraft Ordnance Technician (SSgt to Pvt) PMOS

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. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must possess a GT score of 105 or higher.
- (3) Must have normal color perception.
- (4) Security requirement: Secret security clearance eligibility.
- (5) Must possess a valid state drivers license (Sgt to Pvt)
- (6) Must meet the medical requirements for Explosives Handlers and Explosives Vehicle Operators contained in NAVMED P-117, Article 15-107.
- (7) Marines who handle explosives must meet the criteria to be qualified and certified as per reference (bf), MCO 8023.3B.

c. Requirements

- (1) Complete the applicable CNATT AO (C) Course appropriate for the intended initial aircraft assignment.
- (2) Must obtain GSE licenses appropriate for the aircraft assigned.

d. Duties

- (1) SSgt to Pvt:
 - (a) Employs appropriate safety precautions, security procedures, and record-keeping techniques for ordnance, and maintaining such records per references (cu) and (cv).

(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 de-arms aircraft.

(2) SSgt 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) SSgt to Sgt:

(a) Applies bore sight procedures and techniques as applicable to aircraft sights and weapons systems.

(b) Procures supplies, maintains records according to references (cu) and (cv), 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 reference (bz), OPNAVINST 8000.16C.

(e) Trains aircraft ordnance technicians in all phases of squadron level aviation ordnance.

(f) Applies administrative procedures necessary to establish and operate a squadron ordnance section.

(g) Conducts administrative and material inspections of squadron ordnance sections.

(h) Prepares Conventional Ordnance Deficiency Reports, Explosive Mishap Reports, Explosive Event Reports, Technical Publication Deficiency Reports, Missile Fire Reports, Product Quality Deficiency Reports, Missing Lost Stolen/Recovered Ammunition Reports, and Engineering Investigation Requests, when appropriate.

- e. Related Standard Occupational Classification (SOC) Title and Code
- (1) Maintenance and Repair Workers, General 49-9042.
 - (2) Explosive Workers, Ordnance Handling Experts, and Blasters 47-5031.

f. Related Military Skill. Aviation Ordnance Equipment Repair Technician, 6541.

3. MOS 6541, Aviation Ordnance Systems Technician (SSgt to Pvt) PMOS

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. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must have a GT score of 105 or higher.
- (3) Must have normal color perception.
- (4) Security requirement: Secret security clearance eligibility.
- (5) Must possess a valid state drivers license (Sgt to Pvt).
- (6) Must meet the medical requirements for Explosives Handlers and Explosives Vehicle Operators contained in Article 15-107 of reference (ak).

c. Requirements

- (1) Complete AO A1 Aviation Ordnance Course and the CNATT AO (C) Course at CNATT MARU, Cherry Point, NC.
- (2) Must obtain appropriate support equipment and/or material handling licensing upon initial unit assignment (Sgt to Pvt).
- (3) Marines who handle explosives must meet the criteria to be qualified and certified as per reference (bf), MCO 8023.3B.
- (4) Must obtain Incidental Motor Vehicle Operator licensing for tactical vehicles up to 7-ton MTRV (or equivalent).

d. Duties

- (1) SSgt to Pvt:
 - (a) Performs IMA level maintenance on armament weapons support equipment (AWSE).

(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, maintaining the records according to references (cu) and (cv).

(g) Conducts ammunition inventories and maintains stock records of lots/serial numbers according to references (cu) and (cv).

(h) Performs operator tasks associated with Ordnance Information system (OIS) Ammunition Accounting and Management System.

(i) Perform IMA level maintenance on aircraft guns.

(j) Performs inventory management tasks associated with the Airborne Weapons Information System (AWIS) website.

(k) Prepares, packages, and certifies hazardous material for shipment.

(l) Certifies vehicles for transport of hazardous materials.

(2) SSgt to Cpl:

(a) Maintains records according to references (cu) and (cv) 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, maintaining the records per references (cu) and (cv).

(f) Maintains files, prepares naval messages, and submits ammunition transactions.

(g) Performs the System Administrator tasks associated with Ordnance Information System (OIS) Ammunition Accounting and Management System.

(3) SSgt and Sgt:

(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 Event 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) Perform Ammunition Stock Recording Section functions/tasks utilizing the Ordnance Information System (OIS).

(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) SSgt:

(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 (ASRS).

e. Related Standard Occupational Classification (SOC) Title and Code

(1) Explosive Workers, Ordnance Handling Experts, and Blasters 47-5031.

(2) Maintenance and Repair Workers, General 49-9042.

f. Related Military Skill. Aircraft Ordnance Technician, 6531.4. MOS 6591, Aviation Ordnance Chief (MGySgt to GySgt) PMOS

a. Summary. The Aviation Ordnance Chief supervises the establishment and functions of aviation ordnance activities. The aviation ordnance chief assists the aviation ordnance officer with the daily planning, conduct, and execution of the ordnance section, division, or department. They also serve as staff Action Officers at the MARFOR, MEF, and Wing levels, as well as select Naval and Joint aviation logistics/acquisition billets.

b. Prerequisites

(1) Security requirement: Secret security clearance eligibility.

(2) Must meet the medical requirements for Explosives Handlers and Explosives Vehicle Operators contained in reference (ak), Article 15-107.

c. Requirements

(1) Upon promotion to the rank of Gunnery Sergeant, is required to attend and successfully complete the Aviation Ordnance Officer Career Progression Course, Level 1 (CID N42G3N3) at NAS Whiting Field, FL.

(2) Marines who handle explosives must meet the criteria to be qualified and certified as per reference (bf), MCO 8023.3B.

d. Duties

(1) Assists the aviation ordnance officer in managing the activities of aviation ordnance personnel in their duties and tasks.

(2) Provides leadership, instruction, training, and mentorship in all matters pertaining to Aviation Ordnance, career progression, and core values.

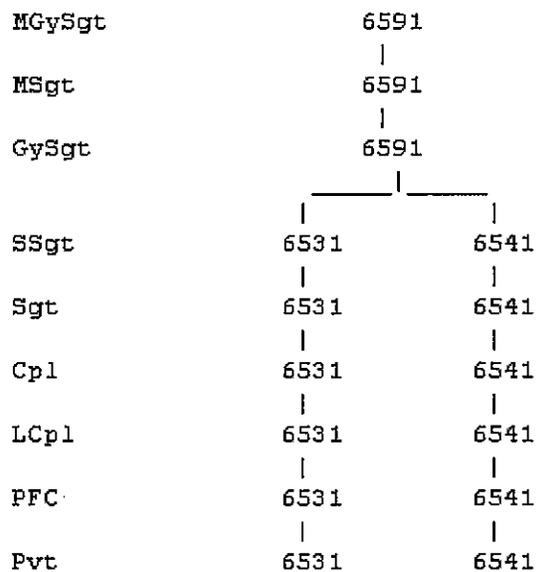
(3) Prepares orders, naval messages, instructions and SOPs, and safety precautions.

(4) Provides subject matters expertise in planning and implementing aviation ordnance functions.

(5) Provides authoritative representation and advocacy on joint/service staffs for aviation ordnance logistics and acquisition support.

e. Related Standard Occupational Classification (SOC) Title and Code. First-Line Supervisors/Managers of Mechanics, Installers, and Repairers 49-1011.

f. Related Military Skill. None.



6500 Basic Aviation Ordnance Marine (Basic MOS)
 6531 Aircraft Ordnance Technician (PMOS)
 6541 Aviation Ordnance Systems Technician (PMOS)
 6591 Aviation Ordnance Chief (PMOS)

Figure 3-34.--Aviation Ordnance

	MOS Assignment:	OPFOR: MALS SE: MCAS/MCB/NWS/4th MAW

PFC	Required Training:	Apprentice Technical Training (ATT) Air Warfare Apprentice Training (AWAT) AO A1 Aviation Ordnance Course Aviation Ordnance Systems Technician Course
	Skill Progression:	
	Skill Enhancement:	Ammunition Administration Course Transportation and Storage of Hazardous Material for Transportation
	MOS Assignment:	OPFOR: MALS SE: MCAS/MCB/NWS/4th MAW

PVT	Required Training:	Apprentice Technical Training (ATT) Air Warfare Apprentice Training (AWAT) AO A1 Aviation Ordnance Course Aviation Ordnance Systems Technician Course
	Skill Progression:	
	Skill Enhancement:	Ammunition Administration Course Transportation and Storage of Hazardous Material for Transportation
	MOS Assignment:	OPFOR: MALS SE: MCAS/MCB/NWS/4th MAW

MOS 6591, Aviation Ordnance Chief (PMOS)

MGYSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	AOOCP Level III
	MOS Assignment:	OPFOR: AQD/MALS/MARFOR SE: HQMC/4th MAW

MSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	AOOCP Level II
	MOS Assignment:	OPFOR: SQD/MALS/MARFOR SE: MCAS/CNATT/CTF-53/CTF-73/CTF-73/ MAWTS/HQMC/OPNAV/MARCORSYSCOM (DET Charleston)

GYSGT	Required Training:	AOOCP Level I
	Skill Progression:	
	Skill Enhancement:	

Figure 3-34.--Aviation Ordnance (continued)

MOS Assignment: OPFOR: SQD/MALS/MAW
 SE: MCAS/CNATT/RDTE/FIT/MAWTS/NOLSC/
 4th MAW/TECOM/OPNAV/MCB/NWS/BIC/CNAF/
 CNAL/FFC/NAVAIR PMA-260/NAVAIR PEO
 (U&W), Naval Safety Center/OPNAV
 (China Lake)

3144. OCCUPATIONAL FIELD 66, AVIATION LOGISTICS

1. Introduction. The Aviation Logistics OccFld includes personnel in the areas of aviation supply, aviation information systems, and aviation logistics planning. 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 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 Aviation Supply Specialist and Aviation Information Systems Specialist MOSs. 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. Aviation Logisticians are primarily aviation supply, aviation maintenance, aviation ordnance, and avionics personnel on higher headquarters staffs that coordinate/conduct aviation logistics planning in support of OPLANS/CONPLANS. In addition to a thorough understanding of their primary MOS, these personnel are involved with the Marine Aviation Logistics Support Program (MALSP), the Marine Corps Planning Process, the Joint Operations Planning and Execution System (JOPEs), Maritime Prepositioning Force (MPF) operations, and employment of the aviation logistics ship (T-AVB). The aviation logistics OccFld has been expanded to include principal responsibility in the management and execution of CNO and CMC-directed strategies for continuous process improvement.

2. MOS 6617, Enlisted Aviation Logistician (MGySgt to GySgt) NMOS (6042, 6391, 6591, 6672)

a. Summary. Aviation Logisticians are assigned to selected headquarters and staffs. They are trained in aviation logistics (AVLOG) support plan development. The skill set provides headquarters staffs with aviation logistics specific subject matter expertise to support the force deployment planning and execution process, exercise planning, pre-positioning program development and execution, and doctrine development.

b. Prerequisites

(1) Must possess MOS 6042, Individual Material Readiness List (IMRL) Asset Manager; MOS 6391, Avionics Maintenance Chief; MOS 6591, Aviation Ordnance Chief, or MOS 6672, Aviation Supply Specialist.

(2) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete Advanced Logistics Officer Course (ALOC) at School of MAGTF Logistics, Quantico, VA (Gunnery Sergeants seeking the MOS 6617 MOS may substitute Tactical Logistics Officer Course (TLOC)).

(2) Complete Maritime Prepositioning Force (MPF) Staff Planning Course offered by the Expeditionary Warfare Training Group.

(3) Complete at least one of the following courses:

(a) Staff NCO and Officer Force Deployment and Planning Course offered by the Expeditionary Warfare Training Group (Atlantic).

(b) Joint Course on Logistics (JCL) at the U.S. Army Logistics Management College (AMC) Ft Lee, VA.

(c) Multinational Logistics Course at the U.S. Army Logistics Management College (AMC), Ft Lee, VA.

(d) JOPES Action Officer Course (JAOC) at Ft Eustis, VA.

(e) JOPES Support Personnel Course at Ft Eustis, VA.

d. Duties

(1) Serve as AVLOV representative for Operational Planning Teams (OPT) and Crisis Action Teams (CAT).

(2) Support the development, review, and update of OPLANS/CONPLANS in support of higher headquarters; directives.

(3) Review/validate Time Phased Force Deployment Data to ensure compliance with guidance and directives.

(4) Develop estimates of supportability and concepts of logistics support.

(5) Support the development and operational orders and letters of instruction for ACE operations and exercises.

e. Related Standard Occupational Classification (SOC) Title and Code. Postal Service Clerks 43-5051.

f. Related Military Skill. None.

3. MOS 6618, Enlisted AIRSpeed Coordinator (MGySgt to Sgt) NMOS (6019, 6062, 6072, 6391, 6469, 6672)

a. Summary. AIRSpeed enlisted personnel are assigned to the AIRSpeed office of selected headquarters and staffs. They are trained to institute a culture of self-sustaining, continuous process improvement aligned toward delivering increased readiness and reduced resource cost. AIRSpeed enlisted personnel are responsible to provide the planning, training, integration sustainment and monitoring of the best business practices, Theory of Constraints, LEAN, and Six Sigma within Aviation Logistics.

b. Prerequisites

(1) Must hold MOS 6019, 6012, 6072, 6391, 6469, or 6672.

(2) Must be trained and certified as a Supply Chain Technical Expert.

(3) Must be trained and certified as a Supply Chain Design Expert (SCDE).

c. Requirements. Must complete AIRSpeed Black Belt Job Qualification Requirement (JQR) as defined by COMNAVAIRFOR.

d. Duties

(1) Coordinate, support, and monitor TOC process designs and developments.

(2) Coach LEAN events to include Rapid Improvement Events (RIEs) and Value Stream Analysis.

(3) Act as team leader for complex LEAN Six Sigma (LSS) events or projects where statistical analysis is required.

(4) Be responsible for administering and evaluating AIRSpeed events. Function as liaison with external consultants and/or organizations.

(5) Ensure improvement events are sustained through follow-ups and refresher training.

e. Related Standard Occupational Classification (SOC) Title and Code.
No Civilian equivalent.

f. Related Military Skill4. MOS 6672, Aviation Supply Specialist (MGySgt to Pvt) PMOS

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. Prerequisites. Must possess a CL score of 100 or higher.

c. Requirements

(1) Complete the Marine Aviation Supply Course.

(2) Must have a basic understanding of PC operations/applications.

(3) Meet the requirements to obtain a state drivers license.

d. Duties. For a complete listing of duties and tasks, refer to reference (ag), Aviation Logistics Individual Training Standards.

e. Related Standard Occupational Classification (SOC) Title and Code.
Stock Clerks and Order Fillers 43-5081.

f. Related Military Skill. None.

5. MOS 6694, Aviation Logistics Information Management System (ALIMS) Specialist (MGySgt to Pvt) PMOS

a. Summary. Aviation logistics information management systems (ALIMS) 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 ALIMS 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. ALIMS specialist support myriad computer and network operating systems to include: UNIX, Windows Sybase, 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 ALIMS utilization schedule and maintaining a magnetic media/software library.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must possess an EL score of 115 or higher.
- (3) Security requirement: Secret security clearance eligibility.
- (4) Must have normal color perception.

c. Requirements. Complete the Aviation Logistics Tactical Information Systems (ALTIS) Course, NAVSTA, Newport, RI.

d. Duties. For a complete listing of duties and tasks, refer to reference (ag), Aviation Logistics Individual Training Standards.

e. Related Standard Occupational Classification (SOC) Title and Code. Computer Operators 43-9011.

f. Related Military Skill. None.

MGySgt	6617	6618	6672	6694
MSgt	6617	6618	6672	6694
GySgt	6617	6618	6672	6694
SSgt		6618	6672	6694
Sgt		6618	6672	6694
Cpl			6672	6694
LCpl			6672	6694
PFC			6672	6694

MOS	Title
6617	Enlisted Aviation Logistician (NMOS)
6618	Enlisted AIRSpeed Coordinator (NMOS)
6672	Aviation Supply Specialist (PMOS)
6694	Aviation Logistics Information Management System (ALIMS) Specialist (PMOS)

Figure 3-35.--Aviation Logistics

MOS 6672, Aviation Supply Specialist (PMOS)

MGYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: MARFOR HQ/MAW/MALS SE: HQMC/Instructor

MSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Joint Aviation Supply Maintenance Material Management (JASMMM) Senior Enlisted Aviation Supply Management Course Marine Aircraft Group Fiscal Management Course OPFOR: MARFOR HQ/MAW/MALS SE: HMX-1/Instructor

GYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Joint Aviation Supply Maintenance Material Management (JASMMM) Senior Enlisted Aviation Supply Management Course Marine Aircraft Group Fiscal Management Course OPFOR: MARFOR HQ/MAW/MALS SE: HMX-1/Instructor

SSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Joint Aviation Supply Maintenance Material Management (JASMMM) Senior Enlisted Aviation Supply Management Course Marine Aircraft Group Fiscal Management Course OPFOR: MARFOR HQ/MAW/MALS SE: HMX-1/Instructor

SGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Senior Enlisted Aviation supply Management Course OPFOR: MARFOR HQ/MAW/MALS SE: HMX-1/Instructor

CPL	Required Training: Skill Progression: Skill Enhancement:	

Figure 3-35.--Aviation Logistics

	MOS Assignment:	OPFOR: MAW/MALS SE: HMX-1

LCPL	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Aviation Supply Course OPFOR: MALS SE: HMX-1

PFC	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Aviation Supply Course OPFOR: MALS SE: HMX-1

PVT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Aviation Supply Course OPFOR: MALS SE: HMX-1

<u>MOS 6694, Aviation Logistics Information Management System (ALIMS)</u> <u>Specialist (PMOS)</u>		
MGYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	 OPFOR: None SE: HQMC/Instructor

MSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	 OPFOR: MAW SE: SYSCOM

GYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	 OPFOR: Squadron SE: SYSCOM/Instructor

SSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	 OPFOR: Squadron SE: SYSCOM/Instructor

SGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	 OPFOR: Squadron SE: SYSCOM/Instructor

CPL	Required Training:	

Figure 3-35.--Aviation Logistics (continued)

	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: Squadron SE: Instructor

LCPL	Required Training:	Aviation Logistics Tactical Information Systems Specialist Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: Squadron SE: None

PFC	Required Training:	Aviation Logistics Tactical Information Systems Specialist Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: Squadron SE: None

PVT	Required Training:	Aviation Logistics Tactical Information Systems Specialist Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: Squadron SE: None

Figure 3-35.--Aviation Logistics (continued)

3145. OCCUPATIONAL FIELD 68, METEOROLOGY AND OCEANOGRAPHY (METOC)

1. Introduction. The METOC service OccFld is responsible for collecting, assessing and disseminating METOC intelligence relevant to friendly and enemy force strengths and vulnerabilities for the planning and execution of operations necessary to characterize the battle space. This includes atmospheric, space, climatic and hydrologic intelligence for use in the production of Tactical Decision Aids (TDA) and METOC effects matrices. The METOC OccFld is comprised of MOS 6842, METOC Forecaster, and MOS 6852, METOC Impacts Analyst, and is progressive in nature. Marines entering the 6800 OccFld will complete formal training and receive MOS 6842. As their skill enhancing training progresses, they become eligible to attend further formal MOS instruction. Billets include assignment to MEF, MAW, MARDIV, MLG, MEU, Intel Battalion, Marine Air Control Squadron, Marine Corps Air Station, TECOM, CBIRF, NMOPDC, and instructor at MARDET Keesler AFB, MS.

2. MOS 6842, METOC Analyst Forecaster (MGySgt to Pvt) PMOS

a. Summary. Typical duties of the METOC analyst forecaster include observing, collecting, recording, validating, processing, disseminating, and assimilation of METOC data and information to formulate forecasts and environmental assessments. METOC analyst forecasters use and perform preventive maintenance on METOC sensors, information technology systems, and equipment. Additionally, at the rank of staff sergeant, METOC analyst forecasters are required to manage METOC computers systems and local METOC databases, web pages, and network communications. All records must be maintained in accordance with references (cu) and (cv).

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must possess a GT score of 105 or higher.
- (3) Security requirement: Secret security clearance eligibility.
- (4) Must have normal color vision.

c. Requirements. Complete the Meteorology and Oceanography Analyst/Forecaster Course at Keesler AFB, MS.

d. Duties. For a complete list of duties and tasks, refer to reference (ah), Meteorology and Oceanography Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Atmospheric and Space Scientists 19-2021.

f. Related Military Skill. None.

3. MOS 6852, METOC Impact Analyst (MGySgt to Cpl) NMOS (6842)

a. Summary. Typical skill set of METOC impacts analyst mirror those of MOS 6842 with advanced duty, skill and knowledge requirements. The METOC impacts analyst considers all meteorological and oceanographic factors, from the bottom of the ocean, to the weather over the operations area, to the factors affecting satellite operations or communications in the upper atmosphere and space; and is responsible for the assessment and characterization of the battle space in terms of what and how environmental

conditions will affect MAGTF operations. The METOC impacts analyst enables commanders 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 a high level of competency in meteorology, oceanography and littoral sciences to be effective.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must possess MOS 6842, METOC Analyst Forecaster.
- (3) Security requirement: SCI security clearance eligibility.
- (4) Must have normal color vision.

c. Requirements. Complete METOC Impacts Analyst Curricula in sequential order: Applied Environmental Sciences (AES) Course: CID N66EB52 or WxAESA; METOC Impacts Analyst (MIA) Course: CID N66WAL2 or WxMIAA.

d. Duties. For a complete list of duties and tasks, refer to reference (ah), Meteorology and Oceanography Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Atmospheric and Space Scientists 19-2021.

f. Related Military Skill. METOC Analyst Forecaster, 6842.

MGySgt	6842	6852
MSgt	6842	6852
GySgt	6842	6852
SSgt	6842	6852
Sgt	6842	6852
Cpl	6842	6852
LCpl	6842	
PFC	6842	

MOS	Title
6842	METOC Analyst Forecaster (PMOS)
6852	METOC Impact Analyst (PMOS)

Figure 3-36.--Meteorology and Oceanography (METOC)

MOS 6842, METOC Analyst Forecaster PMOS

MGYSGT Required Training:
 Skill Progression:
 Skill Enhancement: Acquisition 101
 MOS Assignment: OPFOR: None
 SE: HQMC/TECOM (ATB) Instructor/MCAS

MSGT Required Training:
 Skill Progression:
 Skill Enhancement: Acquisition 101
 MOS Assignment: OPFOR: MAW
 SE: MCAS

GYSGT Required Training:
 Skill Progression:
 Skill Enhancement: OPUP Operator Manager Course
 MOS Assignment: OPFOR: MAW/MEF/MST/MEU Intel Bn
 SE: MCAS/Instructor NMOPDC

SSGT Required Training:
 Skill Progression:
 Skill Enhancement: OPUP Operator Manager Course
 MOS Assignment: Tropical Weather Analysis and
 Forecasting Course
 OPFOR: MAW/MST/MEU Intel BN/CBIRF
 SE: MCAS/Instructor

SGT Required Training:
 Skill Progression:
 Skill Enhancement: OPUP Operator Manager Course
 MOS Assignment: Tropical Weather Analysis and
 Forecasting Course
 OPFOR: MAW/MST/MEU/Intel Bn
 SE: MCAS/Instructor

CPL Required Training:
 Skill Progression:
 Skill Enhancement: Tropical Weather Analysis and
 Forecasting Course
 Online Weather Studies METOC 50-1P-
 0601
 MOS Assignment: Online Ocean Studies METOC 60-1T-0601
 OPFOR: MAW/MEF/MST/MEU
 SE: MCAS

LCPL Required Training: Meteorology and Oceanography Analyst
 Forecaster (MOAF) Course
 Skill Progression:
 Skill Enhancement: Online Weather Studies METOC 50-1P-
 0601
 Online Ocean Studies METOC 60-1T-0601

Figure 3-36.--Meteorology and Oceanography (METOC)

	MOS Assignment:	OPFOR: MAW/Intel Bn SE: MCAS

PFC	Required Training:	Meteorology and Oceanography Analyst Forecaster (MOAF) Course
	Skill Progression:	
	Skill Enhancement:	Online Weather Studies METOC 50-1P- 0601
		Online Ocean Studies METOC 60-1T-0601
	MOS Assignment:	OPFOR: MAW/Intel Bn SE: MCAS

PVT	Required Training:	Meteorology and Oceanography Analyst Forecaster (MOAF) Course
	Skill Progression:	
	Skill Enhancement:	Online Weather Studies METOC 50-1P- 0601
		Online Ocean Studies METOC 60-1T-0601
	MOS Assignment:	OPFOR: MAW/Intel Bn SE: MCAS

Figure 3-36.--Meteorology and Oceanography (METOC) (continued)

3146. OCCUPATIONAL FIELD 70, AIRFIELD SERVICES

1. Introduction. Marines entering this OccFld will receive MOS 7000, Basic Airfield Services Marine. Formal schooling is provided to Marines entering the 7000 OccFld. The Airfield Services OccFld includes the performance of expeditionary airfield (EAF) systems technician (MOS 7011), aviation operations specialist (MOS 7041), and aircraft rescue fire fighting (ARFF) specialist (MOS 7051). In addition to the required basic technical skills of the particular specialty, airfield services Marines must have the ability to work closely with others and must have the aptitude to learn all facets of equipment, clerical, and administrative procedures unique to the MOS to which assigned.

2. MOS 7011, Expeditionary Airfield Systems Technician (MGySgt to Pvt) PMOS

a. Summary. An EAF Systems Technician employs, installs, operates, inspects, maintains, and repairs expeditionary airfield (EAF) systems to include arresting gear, visual landing aids, airfield surfacing system (AM-2 matting and accessories, mobi-matting and extreme lightweight matting). EAF Marines in this field operate, inspect, maintain emergency arresting gear systems for high performance Naval and Marine Corps tail hook aircraft, design expeditionary AM-2 airfield facilities, provide expeditionary lighting systems for Marine Expeditionary Units (MEUs), and conduct tactical/assault landing zone assessment surveys (TALZAS) for Naval and Marine Corps tactical aircraft.

b. Prerequisites

- (1) Must possess an MM score of 95 or higher.
- (2) Vision correctable to 20/20 and normal color acuity.

c. Requirements. Complete the Marine Expeditionary Airfield Equipment School, NAS Pensacola, FL.

d. Duties. For a complete listing of duties and tasks, refer to reference (ch), Airfield Emergency Services Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Aircraft Launch and Recovery Specialists 55-3012.

f. Related Military Skill. None.,

3. MOS 7041, Aviation Operations Specialist (MGySgt to Pvt) PMOS

a. Summary. To provide the Marine Corps with trained personnel in MOS 7041, Aviation Operations Specialist (AOS). Selected Marine Corps personnel, male and female are provided with the basic duties of an aviation operations specialist. This includes drafting correspondence; assisting in the preparation of orders, maintaining orders of flight time in both master and individual flight files in accordance with current Marine Corps standard systems and software applications; maintaining files of extended flight; storage and dissemination of flight information publications (FLIP); posting radio and landing facility charts, flight information manuals, maps, and preparing aviation operations safety reports. Additional duties include supporting air tasking order (ATO) production within a Tactical Air Command (TACC), coordinating airfield services to include Air Traffic Control (ATC), Meteorology and Oceanography (METOC), Aircraft Rescue and Firefighting (ARFF)

transient Aircraft, Flight Planning, Fuel Services, Airfield Maintenance in accordance with Federal Aviation Administration (FAA) guidelines and restricted airspace management for tenant and non-tenant activities. Although this training is not all inclusive, graduates will be able to function at all levels of command. MOS 7041 is assigned upon completion of the Marine Aviation Operations Specialist Course (MARAOS) and meeting all required prerequisites.

b. Prerequisites

- (1) Must possess a CL score of 100 or higher.
- (2) Security requirement: Secret security clearance eligibility.
- (3) Must be a U.S. citizen.

c. Requirements

- (1) Complete the Aviation Operations Specialist Course.
- (2) 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.

d. Duties. For a complete listing of duties and tasks, refer to reference (ch), Airfield Emergency Services Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Airfield Operations Specialists 53-2022.

f. Related Military Skill. None.

4. MOS 7051, Aircraft Rescue and Firefighting Specialist (MGySgt to Pvt) PMOS

a. Summary. Personnel of MOS 7051 employ firefighting equipment and extinguishing materials to rescue victims involved in aircraft, structural and motor vehicles incidents and in the extinguishment of fires. Typical duties include operating, servicing, inspecting, and testing aircraft rescue and firefighting vehicles, firefighting systems, and rescue equipment; instructing personnel in use of fire extinguishers and other fire safety and prevention fundamentals, and basic life saving steps. Additional duties include development and implementation of pre-incident response plans, base camp fire prevention plans (Fire Bill) and inspection of these facilities.

b. Prerequisites

- (1) Must possess an MM score of 95 or higher.
- (2) Minimum height requirement to be classified a 7051 is 64 inches (Actual Height).

c. Requirements

- (1) Complete the Fire Protection Apprentice (Marines) Course.
- (2) Must meet the medical standards as required per reference (cx), the National Fire Protection Association (NFPA) 1582.

(3) Vision correctable to 20/20, maximum vision impairment of 20/50 and normal color acuity.

d. Duties. For a complete listings of duties and tasks, refer to reference (ch), Airfield Emergency Services Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Fire Fighters 33-2011.

f. Related Military Skill. None.

MGySgt	7011	7041	7051
MSgt	7011	7041	7051
GySgt	7011	7041	7051
SSgt	7011	7041	7051
Sgt	7011	7041	7051
Cpl	7011	7041	7051
LCpl	7011	7041	7051
PFC	7011	7041	7051
Pvt	7011	7041	7051

7000 Basic Airfield Services Marines (Basic MOS)
 7011 Expeditionary Airfield Systems Technician (PMOS)
 7041 Aviation Operations Specialist (PMOS)
 7051 Aircraft Rescue and Firefighting Specialist (PMOS)

Figure 3-37.--Airfield Services

MOS 7011, Expeditionary Airfield Systems Technician (PMOS)

MGYSGT	Required Training:	Assault Zone Assessment Course
	Skill Progression:	
	Skill Enhancement:	Tactical/Assault Zone Assessment Surveys
	MOS Assignment:	OPFOR: MARFORCOM/MEF SE: HQMC/Station/Instructor

MSGT	Required Training:	Assault Zone Assessment Course
	Skill Progression:	
	Skill Enhancement:	Tactical/Assault Zone Assessment Surveys
	MOS Assignment:	OPFOR: MAW/MWSG/MWSS SE: HQMC/Station/Instructor

GYSGT	Required Training:	Assault Zone Assessment Course
	Skill Progression:	
	Skill Enhancement:	NAMP Instruction for Officers
	MOS Assignment:	Tactical/Assault Zone Assessment Surveys OPFOR: MWSG/MWSS SE: Station/MCMWTC/instructor

SSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	AIMD Off/Supervisor Course
	MOS Assignment:	NAMP QA Admin MPF EWTG Course OPFOR: MWSG/MWSS SE: Station/Instructor

SGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	AIMD Off/Supervisor Course
	MOS Assignment:	OPFOR: MWSS SE: Station

CPL	Required Training:	
	Skill Progression:	
	Skill Enhancement:	NAMP Logs and Records
	MOS Assignment:	OPFOR: MWSS SE: Station

LCPL	Required Training:	Marine Expeditionary Airfield Equipment Airfield Equipment Course
	Skill Progression:	

Figure 3-37.--Airfield Services

	Skill Enhancement:	IMRL manager
		NAMP Material Control
		Aero Tech Pubs Library Management
		NAMP VIDS/MAF and SCRI Documentation
	MOS Assignment:	Naval Avia Disperse Tech Pubs Library
		OPFOR: MWSS
		SE: Station

PFC	Required Training:	Marine Expeditionary Airfield Equipment Airfield Equipment Course
	Skill Progression:	
	Skill Enhancement:	IMRL manager
		NAMP Material Control
		Aero Tech Pubs Library Management
		NAMP VIDS/MAF and SCRI Documentation
	MOS Assignment:	Naval Avia Disperse Tech Pubs Library
		OPFOR: MWSS
		SE: Station

PVT	Required Training:	Marine Expeditionary Airfield Equipment Airfield Equipment Course
	Skill Progression:	
	Skill Enhancement:	IMRL manager
		NAMP Material Control
		Aero Tech Pubs Library Management
		NAMP VIDS/MAF and SCRI Documentation
	MOS Assignment:	Naval Avia Disperse Tech Pubs Library
		OPFOR: MWSS
		SE: Station

MOS 7041, Aviation Operations Specialist (PMOS)

MGYSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MAW/Group
		SE: Station/Instructor

MSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	

Figure 3-37.--Airfield Services (continued)

	MOS Assignment:	OPFOR: MAW/Group SE: Station/Instructor

GYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: MAW/Group SE: Station/Instructor

SSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: MAW/Group SE: Station/Instructor

SGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: MAW/Group/Sqdn SE: Station/Instructor

CPL	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: MAW/Group/Sqdn SE: Station

LCPL	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Marine Aviation Ops Typing I and II Specialist Course OPFOR: MAW/Group/Sqdn SE: Station

PFC	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Marine Aviation Ops Typing I and II Specialist Course OPFOR: MAW/Group/Sqdn SE: Station

PVT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Marine Aviation Ops Typing I and II Specialist Course OPFOR: MAW/Group/Sqdn SE: Station

MOS 7051, Aircraft Rescue and Firefighting Specialist (PMOS)

MGYSGT Required Training:
Skill Progression:
Skill Enhancement:

Figure 3-37.--Airfield Services (continued)

	MOS Assignment:	OPFOR: MAW/MWSG/MWSS SE: Station/Instructor

MSGT	Required Training: Skill Progression: Skill Enhancement:	Disaster Preparedness
		Fire Incident Management
	MOS Assignment:	OPFOR: MAW/MWSG/MWSS SE: Station/Instructor

GYSGT	Required Training: Skill Progression: Skill Enhancement:	HAZMAT Train the Trainer
		Fire Officer 3
		Fire Inspector 2 and 3
		Fire Instructor 2
	MOS Assignment:	OPFOR: MAW/MWSG/MWSS SE: Station/Instructor

SSGT	Required Training: Skill Progression: Skill Enhancement:	Fire Inspector 1
		Fire Officer 2
		HAZMAT I/C
		Fire Instructor 2
	MOS Assignment:	OPFOR: MWSG/MWSS SE: Station/Instructor

SGT	Required Training: Skill Progression: Skill Enhancement:	EMT (A) Course
		Apparatus Operator Water Tender Station Rescue Technician Course
	MOS Assignment:	OPFOR: MWSS SE: Station

CPL	Required Training: Skill Progression: Skill Enhancement:	Fire Officer 1
		Fire Instructor 1
		Apparatus Driver ARFF
		Apparatus
	MOS Assignment:	OPFOR: MWSS SE: Station

Figure 3-37.--Airfield Services (continued)

LCPL	Required Training: Skill Progression: Skill Enhancement:	Fire Protection Apprentice Basic Structural Firefighting (Marines) Course Fire Responder Course Firefighter 1&2 Airport Firefighter HAZMAT Awareness/Ops Telecommunications 1&2 Emergency Vehicle Operator Course
	MOS Assignment:	OPFOR: MWSS SE: Station

PFC	Required Training: Skill Progression: Skill Enhancement:	Fire Protection Apprentice Basic Structural Firefighting (Marines) Course Fire Responder Course Firefighter 1&2 Airport Firefighter HAZMAT Awareness/Ops Telecommunications 1&2 Emergency Vehicle Operator Course
	MOS Assignment:	OPFOR: MWSS SE: Station

PVT	Required Training: Skill Progression: Skill Enhancement:	Fire Protection Apprentice Basic Structural Firefighting (Marines) Course Fire Responder Course Firefighter 1&2 Airport Firefighter HAZMAT Awareness/Ops Telecommunications 1&2 Emergency Vehicle Operator Course
	MOS Assignment:	OPFOR: MWSS SE: Station

Figure 3-37.--Airfield Services (continued)

3147. 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. Marines will participate in routine air command and control functions while training for a designated MOS within the OccFld. (See figure 3-40 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 reference (cy), MCO P3500.19B, 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) PMOS

a. Summary. LAAD Gunners provide surface-to-air fires in support of MAGTF and joint air defense assets. Gunners are responsible for employment and maintenance of all equipment and weapon systems inherent to a LAAD Battalion. Gunners will provide ground security in defense of MAGTF air sites when not engaged in air defense operations.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must possess a GT score of 90 or higher.
- (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) Security requirement: Secret security clearance eligibility.
- (7) Must have normal color vision.
- (8) Must have 20/20 vision (may be correctable to 20/20 with eyeglasses or contact lenses).
- (9) Hearing loss no greater than 15 db between 500-2,000 Hz.

(10) Cannot be less than 5 feet 4-inches in height.

c. Requirements. Complete the LAAD Gunner Course.

d. Duties. For a complete listing of duties and tasks, refer to reference (ai), Low Altitude Air Defense Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Artillery and Missile Crew Members 55-3014.

f. Related Military Skill. None.

3. MOS 7234, Air Control Electronics Operator (Sgt to Pvt) PMOS

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. Prerequisites

(1) Must be a U.S. Citizen.

(2) Must possess a GT score of 105 or higher.

(3) Security requirement: Secret security clearance eligibility.

(4) Must have normal color vision.

c. Requirements. Complete the Air Control Electronics Operator Course.

d. Duties. For a complete listing of duties, refer to reference (cu), Tactical Air Operation Center training and readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Command and Control Center Specialists 55-3015.

f. Related Military Skill. Air Support Operations Operator, 7242.

4. MOS 7236, Tactical Air Defense Controller (MGySgt to Sgt) PMOS

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 anti-air warfare environment.

b. Prerequisites

(1) Security requirement: Secret security clearance eligibility.

(2) Must have normal color vision.

c. Requirements

(1) MOS 7234 SO and TATC T&R events must be completed.

(2) Must complete the Tactical Air Defense Controller Course.

(3) Must complete the AWC academic packages.

d. Duties. For a complete listing of duties and tasks, refer to reference (cu), Tactical Air Operation Center Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Command and Control Center Specialists 55-3015.

f. Related Military Skill. None.

5. MOS 7242, Air Support Operations Operator (MGySgt to Pvt) PMOS

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 electronic 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. Prerequisites

(1) Must be a U.S. Citizen.

(2) Must possess a GT score of 100 or higher.

(3) Security requirement: Secret security clearance eligibility.

(4) Must have normal color vision.

c. Requirements. Complete the Air Support Operations Operator Course.

d. Duties. For a complete listing of duties and tasks, refer to reference (cu), Tactical Air Operation Center Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members, All Other 55-3019.

f. Related Military Skill. Tactical Air Defense Controller, 7236.

6. MOS 7251, Air Traffic Controller-Trainee (Sgt to Pvt) PMOS

a. Summary. While undergoing instruction under general supervision, trainees pursue qualifications in air traffic control, MOS 7257.

b. Prerequisites

(1) Must possess a GT score of 110 or higher.

(2) Must meet the physical requirements of and pass a medical examination per reference (ak), NAVMED P-117, chapter 15, article 65, paragraph 7(W) before beginning Air Traffic Control Basic Course (ACA1).

(3) Must possess normal color vision.

(4) Security requirement: Secret security clearance eligibility.

c. Requirements. Complete the Airman Written Test (AWT), Air Traffic Control Basic Course (ACA1), NATTC, NAS Pensacola, FL, and receive an Air Traffic Control Specialist (ATCS) certificate.

d. Duties. For a complete list of duties and tasks, refer to reference (cv), Aviation Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Enlisted Military Training/Reporting/Special Duty Code (no related SOC) 00-0001.

f. Related Military Skill. None.

7. MOS 7252, Air Traffic Controller-Tower (GySgt to Pvt) NMOS (7257)

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.

b. Prerequisites

(1) Must be a qualified MOS 7257.

(2) Security requirement: Secret security clearance eligibility.

c. Requirements. Qualify as a local controller and be issued a Federal Aviation Administration (FAA) Control Tower Operator (CTO) license, or the Commanding Officer of a squadron level unit or higher under which Marine Air Traffic Controllers are assigned and where air traffic control services are being performed in an expeditionary/tactical field environment of at least four consecutive months, may certify a Marine as a local controller.

d. Duties. For a complete list of duties and tasks, refer to reference (cv), Aviation Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Air Traffic Controllers 53-2021.

f. Related Military Skill

(1) Air Traffic Controller, 7257.

(2) Senior Air Traffic Controller, 7291.

8. MOS 7253, Air Traffic Controller-Radar Arrival/Departure Controller (GySgt to Pvt) NMOS (7257)

a. Summary. Air Traffic Controllers-Radar Arrival/Departure Controllers 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 NMOS only.

b. Prerequisites

- (1) Must be a qualified MOS 7257.
- (2) Security requirement: Secret security clearance eligibility.

c. Requirements. Qualify as a radar arrival/departure controller or the Commanding Officer of a squadron level unit or higher under which Marine Air Traffic Controllers are assigned and where air traffic control services are being performed in an expeditionary/tactical field environment of at least four consecutive months, may certify a Marine as a radar arrival/departure controller.

d. Duties. For a complete listing of duties and tasks, refer to reference (cv), Aviation Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Air Traffic Controllers 53-2021.

f. Related Military Skill

- (1) Air Traffic Controller, 7257.
- (2) Senior Air Traffic Controller, 7291.

9. MOS 7254, Air Traffic Controller-Radar Approach Controller (GySgt to Pvt) NMOS (7257)

a. Summary. Air traffic controller-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 NMOS only.

b. Prerequisites

- (1) Must be a qualified MOS 7257.
- (2) Security requirement: Secret security clearance eligibility.

c. Requirements

- (1) Must meet the requirements/prerequisites of MOS 7257.
- (2) Qualify as a radar approach controller or the commanding Officer of a squadron level unit or higher under which Marine Air Traffic Controllers are assigned and where air traffic control services are being provided in an expeditionary/tactical field environment of at least four consecutive months, may certify a Marine as a radar approach controller.

d. Duties. For a complete listing of duties and tasks, refer to reference (cv), Aviation Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Air Traffic Controllers 53-2021.

f. Related Military Skill

- (1) Air Traffic Controller, 7257.
- (2) Air Traffic Controller, 7257.

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. Prerequisites

(1) Security requirement: Secret security clearance eligibility or temporary SCI.

(2) At a MCAS or MCAF, must possess control tower position qualifications on ground control and tower flight data, or must possess radar position qualifications on radar final control and radar flight data/coordinator.

c. Requirements. Must meet the requirements/prerequisites of MOS 7251.

d. Duties. For a complete listing of duties and tasks, refer to reference (cv), Aviation Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Air Traffic Controllers 53-2021.

f. Related Military Skill. Senior Air Traffic Controller, 7291.

11. MOS 7291, Senior Air Traffic Controller (MGySgt to MSgt) PMOS

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. Prerequisites

(1) Must possess PMOS 7257 and NMOS 7252, 7253, and 7254 or have been granted a waiver from obtaining all three NMOS' by HQMC/APX-25. Failure to meet one of these requirements makes a Marine ineligible for MOS 7291.

(2) Security requirement: Secret security clearance eligibility.

c. Requirements. See prerequisites.

d. Duties. For a complete listing of duties and tasks, refer to reference (cv), Aviation Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Air Traffic Controllers 53-2021.

- f. Related Military Skill. Air Traffic Controller, 7257.

MGySgt	7212	7236	7242					7291		7277	
MSgt	7212	7236	7242					7291		7277	
GySgt	7212	7236	7242	7252	---	7253	---	7254	---->	7257	7277
SSgt	7212	7236	7242	7252	---	7253	---	7254	---->	7257	7277
Sgt	7212	7236	7242	7252	---	7253	---	7254	---->	7257	<--- 7251
Cpl	7212	7234	7242	7252	---	7253	---	7254	---->	7257	<--- 7251
LCpl	7212	7234	7242	7252	---	7253	---	7254	---->	7257	<--- 7251
PFC	7212	7234	7242	7252	---	7253	---	7254	---->	7257	<--- 7251
Pvt	7212	7234	7242	7252	---	7253	---	7254	---->	7257	<--- 7251

MOS	TITLE
7200	Basic Air Control/Air Support/Anti-air Warfare/Air Traffic Control Marine (Basic MOS)
7212	Low Altitude Air Defense Gunner (PMOS)
7234	Air Control Electronics Operator (PMOS)
7236	Tactical Air Defense Controller (PMOS)
7242	Air Support Operations Operator (PMOS)
7251	Air Traffic Controller-Trainee (PMOS)
7252	Air Traffic Controller, Tower (NMOS)
7253	Air Traffic Controller-Radar Arrival/Departure Controller (NMOS)
7254	Air Traffic Controller-Radar Approach Controller (NMOS)
7257	Air Traffic Controller (PMOS)
7277	Weapons and Tactics Instructor-Air Control (NMOS)
7291	Senior Air Traffic Controller (PMOS)

Figure 3-38.--Air Control/Air Support/Anti-air Warfare/Air Traffic Control

MOS 7212, Low Altitude Air Defense (LAAD) Gunner PMOS

MGYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: LAAD Bn SE: LAAD Bn (R)

MSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: LAAD Bn/Stinger Btry SE: Instructor USAADASCH

GYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: LAAD Bn /Stinger Btry SE: LAAD Bn (R)/MAWTS-1/Instructor USAADASCH/LAV-AD

SSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: LAAD Bn /Stinger Btry SE: LAAD Bn (R)/LAV-AD

SGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	LAAD Section Leaders Course MACCS Enlisted Weapons Tactics Instructor Course (MAWTS-1) OPFOR: LAAD Bn/Stinger Btry SE: LADDS Bn (R)/LAV-AD/MAWTS-1/ Instructor USAADASCH

CPL	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: LAAD Bn/Stinger Btry SE: LAV-AD

LCPL	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	LAAD Gunner Course OPFOR: LAAD Bn/Stinger Btry SE: None

PFC	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	LAAD Gunner Course OPFOR: LAAD Bn/Stinger Btry SE: None

Figure 3-38.--Air Control/Air Support/Anti-air Warfare/Air Traffic Control

PVT	Required Training:	LAAD Gunner Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: LAAD Bn/Stinger Btry SE: None

<u>MOS 7234, Air Control Electronics Operator PMOS</u>		
SGT	Required Training:	Tactical Air Defense Controller Course
	Skill Progression:	
	Skill Enhancement:	Marine Division Tactics Course
	MOS Assignment:	JTIDS Course OPFOR: MACS/MTACS SE: MAC (R)/USACOM

CPL	Required Training:	
	Skill Progression:	
	Skill Enhancement:	Multi-TADIL Advanced Joint Interoperability Course
	MOS Assignment:	JAC2C OPFOR: MACS/MTACS SE: MACS (R)/MCAGCC/MCTSSA/USACOM

LCPL	Required Training:	Air Control Electronics Operator Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS/MTACS SE: None

PFC	Required Training:	Air Control Electronics Operator Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS/MTACS SE: None

PVT	Required Training:	Air Control Electronics Operator Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS/MTACS SE: None

Figure 3-38.--Air Control/Air Support/Anti-air Warfare/Air Traffic Control (continued)

MOS 7236, Tactical Air Defense Controller PMOS

MGYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: MACS HQ SE: HQMC

MSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	JAC2C OPFOR: MACG/MACS/MTACS SE: MACG (R)/MCCES

GYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: MTACS/MACS SE: MACA(R)/MAWTS-1/MCCES/MCTSSA/ FORSCOM/MCAGCC

SSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Strike Fighters Tactics Course (Top Gun) MACCS Enlisted Weapons Tactics Instructor Course OPFOR: MACS/TMTACS SE: USACOM/MCCES/MCAGCC ND&SM Course

SGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Tactical Air Defense Controller Course Marine Division Tactical Course JTIDS Course OPFOR: MACS/MTACS SE: MACS (R) USACOM

MOS 7242, Air Support Operations Operator PMOS

MGYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: None SE: MAWTS-1

MSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	JAC2C Course OPFOR: MASS SE: MCCES

Figure 3-38.--Air Control/Air Support/Anti-air Warfare/Air Traffic Control (continued)

GYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: MTACS/MASS/MACG SE: MASS (R)/ACSEIT/MCCES

SSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: MTACS/MASS SE: MTACS (R)/MASS (R)/MCESS

SGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	MACCS Enlisted Weapons Tactics Instructor Course OPFOR: MTACS/MASS SE: MTACS (R)/MASS (R)/MCESS

CPL	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: MTACS/MASS SE: MASS (R)

LCPL	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Air Support Operations Operator Course OPFOR: MTACS/MASS SE: MASS (R)/MCTSSA

PFC	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: MTACS/MASS SE:

PVT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: MTACS/MASS SE:

MOS 7257, Air Traffic Controller (PMOS)

GYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	WTI MMT Leaders Course OPFOR: MACS HQ SE: MCAS/MCACS (R)

Figure 3-38.--Air Control/Air Support/Antiair Warfare/Air Traffic Control (continued)

SSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	Advanced Radar Air Traffic Control Course
		USAF TERPS Course
		Airspace Management Course
MOS Assignment:	OPFOR:	MACS ATC Det
	SE:	MACS/NAS Pensacola MACS (R)

SGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	MAJIC Course
		Advanced Marine Air Traffic Control and landing System Operator Course
MOS Assignment:	OPFOR:	MACS HQ/MACS ATC Det
	SE:	MCAS

CPL	Required Training:	
	Skill Progression:	
	Skill Enhancement:	
MOS Assignment:	OPFOR:	MACS HQ/MACS ATC Det
	SE:	MCAS

LCPL	Required Training:	Air Traffic Control Basic Course
	Skill Progression:	
	Skill Enhancement:	
MOS Assignment:	OPFOR:	MACS ATC Det
	SE:	MMCAS

PFC	Required Training:	Air Traffic Control Basic Course
	Skill Progression:	
	Skill Enhancement:	
MOS Assignment:	OPFOR:	MACS ATC Det
	SE:	MMCAS

PVT	Required Training:	Air Traffic Control Basic Course
	Skill Progression:	
	Skill Enhancement:	
MOS Assignment:	OPFOR:	MACS ATC Det
	SE:	MMCAS

<u>MOS 7291, Senior Air Traffic Controller (PMOS)</u>		
MGYSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	
MOS Assignment:	OPFOR:	MACS HQ
	SE:	HQMC MMEA/COMCAB

Figure 3-38.--Air Control/Air Support/Anti-air Warfare/Air Traffic Control (continued)

MSGT Required Training:
 Skill Progression:
 Skill Enhancement: JAC2C Course
 MOS Assignment: OPFOR: MACS HQ
 SE: MCAS/MATSG/MAWTS-1

Figure 3-38.--Air Control/Air Support/Anti-air Warfare/Air Traffic
Control (continued)

3148. 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 communications and loading equipment in transport aircraft.

2. MOS 7313, Helicopter Specialist, AH-1Z/UH-1Y (MGySgt to Pvt) NMOS (6048, 6114, 6124, 6154, 6174, 6324, 6531)

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 only to qualified AH-1W and UH-1N Maintenance Technicians and Aircrew holding 6048, 6114, 6124, 6154, 6174, 6324, or 6531.

b. Prerequisites. See requirements.

c. Requirements

(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.

d. Duties. For a complete listing of duties and tasks refer to the Aviation Training and Readiness (T&R) Manual, and reference (bv), Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 7313.

e. Related Standard Occupational Classification (SOC) Title and Code. Air Crew Members 55-3011.

f. Related Military Skill. None.

3. MOS 7314, Unmanned Aerial Vehicle (UAV) Air Vehicle Operator (MGySgt to Pvt) PMOS

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 video terminal operations.

b. Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Security requirement: Secret security clearance eligibility.

(3) Must have normal color vision.

(4) Must pass a Class III Flight Physical per reference (ak), Manual of Naval Medical Depart, section IV, Article 15-63, paragraph 1c.

c. Requirements. Complete the Unmanned Aircraft Systems Operator course at Ft. Huachuca, AZ.

d. Duties. For a complete listing of duties and tasks, refer to reference (cw), Unmanned Aerial System (UAS) Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Electro-Mechanical Technicians 17-3024.

f. Related Military Skill. None.

4. MOS 7316, External Unmanned Aerial Vehicle (UAV) Operator (MGySgt to Sgt) NMOS (7314)

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. Prerequisites. See requirements.

c. Requirements

(1) This MOS is to be assigned as NMOS to qualified Air Vehicle Operators (MOS 7314) who have successfully completed formal training at Ft Huachuca, AZ in external UAV operations.

(2) Superior adaptability to three-dimensional spatial relationships.

(3) Must meet all the physical requirements per reference (ak), the Naval Medical Department Manual, section IV, article 15-65, paragraph 1.15, for MOS 7314, with the following addition: Depth Perception-AFVT A-D.

d. Duties. For a complete listing of duties and tasks, refer to reference (cw), Unmanned Aerial System (UAS) Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Electro-Mechanical Technicians 17-3024.

f. Related Military Skill. None.

5. MOS 7372, Tactical Systems Operator/Mission Specialist (MGySgt to LCpl) PMOS

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. Prerequisites. See requirements.

c. Requirements

(1) Complete Survival Evasion Resistance and Escape (SERE) School.

(2) Complete the appropriate formal "C" school at the Marine Aerial Navigator Flight Training School at VMGRT-253, MCAS Cherry Point, NC.

d. Duties. For a complete listing of duties and tasks, refer to reference (bw), and the Aviation Training and Readiness (T&R) Manual for MOS 7372.

e. Related Standard Occupational Classification (SOC) Title and Code. Airline Pilots, Copilots, and Flight Engineers 53-2011.

f. Related Military Skill. None.

6. MOS 7382, Loadmaster/In-Flight Refueling Observer (MGySgt to Pvt) PMOS

a. Summary. Loadmaster/In-Flight refueling observers perform duties as required in a variety of missions, to include: 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. Prerequisites

(1) Must have a GT score of 110 or higher.

(2) Must have an MM score of 205 or higher.

(3) Must have normal color perception.

(4) Security requirement: Secret security clearance eligibility.

(5) Volunteer for flight duties involving flight as an aircraft crewmember.

(6) Must have WS-B(+) Water Survival Qualification.

(7) Must meet the requirements of reference (aj), and reference (ak), Naval Manual Department of the Medicine with normal depth perception.

c. Requirements

(1) Complete the Naval Aircrewman Candidate School in Pensacola, FL or Little Rock Air Force Base, Little Rock, AR.

(2) Complete the Loadmaster Initial Qualification (LIQ) Course at Little Rock Air Force Base, Little Rock, AR.

(3) Complete the Basic Loadmaster (BLM) Course at Little Rock Air Force Base, Little Rock, AR.

(4) Complete the Loadmaster Qualification (LMQ) Course, Little Rock Air Force Base, Little Rock, AR.

(5) Must have 30 months of obligated service upon completion of the formal training at Little Rock Air Force Base, Little Rock AR. Reserves must have 90 days of active duty upon completion of required training at Little Rock, AR.

d. Duties. For a complete listing of duties and tasks, refer to reference (bw), the Aviation Training and Readiness (T&R) Manual for MOS 7382.

e. Related Standard Occupational Classification (SOC) Title and Code. Air Crew Members 55-3011.

f. Related Military Skill. None.

MGySgt	7313	7314	7316	7372	7382
MSgt	7313	7314	7316	7372	7382
GySgt	7313	7314	7316	7372	7382
SSgt	7313	7314	7316	7372	7382
Sgt	7313	7314	7316	7372	7382
Cpl	7313	7314		7372	7382
LCpl	7313	7314		7372	7382
PFC	7313	7314			
Pvt	7313	7314			

MOS	Title
7313	Helicopter Specialist, AH-1Z/UH-1Y (NMOS)
7314	Unmanned Aerial Vehicle (UAV) Air Vehicle Operator (PMOS)
7316	External Unmanned Aerial Vehicle (UAV) Operator (PMOS)
7372	Tactical Systems Operator/Mission Specialist (PMOS)
7382	Loadmaster/In-Flight Refueling Observer (PMOS)

Figure 3-39.--Navigation Officer/Enlisted Flight Crews

MOS 7372, Tactical Systems Operator/Mission Specialist (PMOS)

MGYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: Sqdn SE: MANS Instr

MSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: Sqdn SE: MANS Instr/Instr

GYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Combat Aircrew Training School OPFOR: Sqdn SE: Navy Flt Demo Sqdn/MANS Instr/FRS Instr

SSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Central Altitude Reservation Function Course OPFOR: Sqdn SE: MANS Instr/FRS Instr

SGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Weapon and Tactics Air Crew Instructor OPFOR: Sqdn SE: MANS Instr/FRS Instr

CPL	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Advance Airlift Tactics Training Course OPFOR: Sqdn SE: None

LCPL	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Marine Aerial Navigation/School Fleet Replacement Squadron Course SERE Naval Aircrew Candidate School OPFOR: Sqdn SE: None

Figure 3-39.--Navigation Officer/Enlisted Flight Crews

MOS 7382, Airborne Radio Operator/In-Flight Fueling Observer/Loadmaster
(PMOS)

MGYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: Sqdn SE: Dir FRS ARO/LM

MSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: Sqdn SE: FRS Instr

GYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: Sqdn SE: Navy Flt Demo Sqdn/FRS Instr/SOES

SSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	OPFOR: Sqdn SE: FRS Instr/SOES

SGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	 Weapons and Tactics Air Crew instructor Air Transport of Hazardous Cargo Record of Weight and Balance OPFOR: Sqdn SE: FRS Instr/SOES

CPL	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	 Advance Airlift Tactics Training Course Dual Rail Maintenance Course OPFOR: Sqdn SE: FRS Instr/SOES

Figure 3-39.--Navigation Officer/Enlisted Flight Crews (continued)

LCPL	Required Training:	Airborne Radio Operator/Loadmaster Flight Training
		Loadmaster Mission Qualification Course
		Loadmaster Initial qualification Course
		Basic Loadmaster
		SERE
		Naval Aircrew Candidate School
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: None SE: None
<hr/>		
PFC	Required Training:	Airborne Radio Operator/Loadmaster Flight Training
		Loadmaster Mission Qualification Course
		Loadmaster Initial qualification Course
		Basic Loadmaster
		SERE
		Naval Aircrew Candidate School
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: None SE: None
<hr/>		
PVT	Required Training:	Airborne Radio Operator/Loadmaster Flight Training
		Loadmaster Mission Qualification Course
		Loadmaster Initial qualification Course
		Basic Loadmaster
		SERE
		Naval Aircrew Candidate School
	Skill Progression:	
	Skill Enhancement:	

Figure 3-39.--Navigation Officer/Enlisted Flight Crews (continued)

MOS Assignment: OPFOR: None
 SE: None

Figure 3-39.--Navigation Officer/Enlisted Flight Crews (continued)

3149. OCCUPATIONAL FIELD 80, MISCELLANEOUS REQUIREMENTS MOS1. MOS 8000, General Service Marine (MGySgt to Pvt) Basic MOS

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. Prerequisites. See requirement.

c. Requirements. 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).

d. Duties. As assigned.

e. Related Standard Occupational Classification (SOC) Title and Code. Enlisted Military Training/Reporting/Special Duty Code (no related SOC) 00-0001.

f. Related Military Skill. None.

2. MOS 8002, Joint Terminal Attack Controller (MGySgt to SSgt) EMOS (0313, 0321, 0369, 0861, 1812, 1833, 1834) #

a. Summary. This MOS 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 Tactical Air Control Party (TACP) Course at EWTG. Upon successful completion of the TACP Course, the JTAC will be designated combat capable, receive EMOS 8002 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 and maintained per references (cu) and (cv).

b. Prerequisites

(1) JTAC Must be either a Sgt or above and hold PMOS 0321 or 0861, or a SSgt or above and hold MOS 0313, 0369, 0861, 1812, 1833, or 1834.

(2) Must have a GT score of 100 or higher.

c. Requirements. Must complete the Tactical Air Control Party (TACP) Course at EWTG.

d. Duties. For a complete listing of duties and tasks, refer to the JTAC portions of the T&R Manual.

e. Related Standard Occupational Classification (SOC) Title and Code.
Command and Control Center Specialists 55-3015.

f. Related Military Skill. Ground Combat Arms Staff Sergeant.

MOS 8002 Assigned to officer and enlisted Marines.

3. MOS 8011, Basic Marine with Enlistment Guarantee (MGySgt to Pvt) Basic MOS

a. Summary. A Marine whose military qualifications and experience are not developed to be sufficient or adequate for qualification in other MOSs.

b. Prerequisites. See requirement.

c. Requirements. This MOS will be assigned to personnel enlisting under an enlistment options program or an enlistment incentive program (reference (bm), MCO 1130.53P).

d. Duties. As assigned.

e. Related Standard Occupational Classification (SOC) Title and Code.
Enlisted Military Training/Reporting/Special Duty Code (no related SOC) 00-0001.

f. Related Military Skill. None.

4. MOS 8012, Ground Safety Specialist (GySgt to Pvt) FMOS

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. Prerequisites. See requirements.

c. Requirements. Complete HQMC (SD) approved ground safety course or school.

d. Duties

(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) Facilitates the Industrial Hygiene Program.

(10) Supervises the Hazardous Materials, Waste, and Pollution Prevention Programs.

e. Related Standard Occupational Classification (SOC) Title and Code. Occupational Health and Safety Specialists 29-9011.

f. Related Military Skill. None.

5. MOS 8013, Special Assignment - Enlisted (MGySgt to Pvt) FMOS

a. Summary. Regularly performs duties of a highly specialized nature that are not covered by other MOSs.

b. Prerequisites. See requirements.

c. Requirements

(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.

d. Duties. As assigned.

e. Related Standard Occupational Classification (SOC) Title and Code. Enlisted Military Training/Reporting/Special Duty Code (no related SOC) 00-0001.

f. Related Military Skill. None.

6. MOS 8014, Billet Designator - Enlisted (MGySgt to Pvt) FMOS*

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. Prerequisites. None.

c. Requirements. None.

d. Duties. As assigned.

e. Related Standard Occupational Classification (SOC) Title and Code. Enlisted Military Training/Reporting/Special Duty Code (no related SOC) 00-0001.

f. Related Military Skill. None.

7. MOS 8015, College Degree-Enlisted (MGySgt to Pvt) EMOS (5524)

a. Summary. Performs duties of the assigned college degree-enlisted billet. Primary billets are as Academic Chiefs at Instructional Management

Schools (IMS), SNCOA, or other large formal schools: Education Chief/Testing NCOIC at USMC bases/stations, Ground Safety Specialist/Inspector, Accounting Analyst, or NCOIC/Counselor at Family Service Center at USMC bases/stations. This MOS will be assigned as a non-primary MOS only by CMC (MM) to enlisted Marines who have completed the prescribed course of instruction under the provision for the SNCO Degree Completion Program (SNCODCP).

b. Prerequisites. See requirements.

c. Requirements. Upon request and approval, this MOS may also be assigned as a skill designator to enlisted Marines possessing a bachelor's degree acquired prior to entry into the service or through off-duty educational efforts.

d. Duties. Depending upon what college-degree enlisted billet the Marine is assigned, duties may include:

(1) Advise/Assist the Academic Officer and Director of Formal School in assigning and supervising formal school course teams, coordinate and conduct formal/informal observations of instructors, and maintain instructor training records per references (cu) and (cv).

(2) Coordinate the conduct of Course Content Review Boards (CCRB) and coordinate revision of all courseware to include master lesson files, lesson plans, and instructional methodology/materials.

(3) Provide education counseling and administer test to military personnel.

(4) Track mishaps, conduct facilities inspections, and ensure Federal Workplace Regulations are in compliance with OSHA Standards.

(5) Provide instruction on safety and the Operational Risk Management (ORM) process.

(6) Perform audits of MCCS activities and new programs to ensure efficient and effective program performance.

(7) Provide military presence within the Community Support/Family Service Center.

(8) Provide counseling services to Marines and their families and serve as Emergency Operations Center SNCOIC.

e. Related Standard Occupational Classification (SOC) Title and Code. Enlisted Military Training/Reporting/Special Duty Code (no related SOC) 00-0001.

f. Related Military Skill. None.

8. MOS 8016, Special Technical Operations (STO) Chief (MGySgt to Sgt) FMOS #

a. Summary. The 8016 FMOS identifies Marines who have completed the appropriate level of formal academic training and/or served in a billet where STO was the primary function. The Marine must have a demonstrated and comprehensive understanding of STO planning and integration into Coalition, Joint, or Marine Corps operations. This MOS will be assigned only as a non-PMOS upon request from the individual and with the concurrence of the OccFld

Manager non-PMOS upon request from the individual and with the concurrence of the OccFld Manager.

b. Prerequisites. Security requirement: SCI security clearance eligibility.

c. Requirements

(1) Complete a STO Planner's Course that meets Chairman of the Joint Chiefs of Staff (CJCS) academic requirement. This requirement may be waived based on the applicant's demonstrated level of proficiency in an operational billet where STO was the primary function.

(2) Complete the CJCS-approved Planning and Decision Aid System (PDAS) Operator's Course. This requirement may also be waived based on the applicant's demonstrated level of proficiency in an operational STO billet.

(3) Perform at least six months in an overseas billet where STO was the primary billet responsibility or one year in a CONUS billet that required the performance of STO functions as the primary duty.

(4) Demonstrate comprehensive knowledge of STO and conduct on-the-job training that emphasizes the integration of STO functions into Coalition, Joint, or Marine Corps plans and operations.

(5) Serve in a STO Planner position at the national or operational level in support of CJCS, Combatant Command, or Service STO requirements.

d. Duties

(1) Advises the commander on the integration of STO capabilities into plans and operations.

(2) Participates in the development of the STO Annex S to operations plans in support of operations, contingencies, and exercises.

(3) Develops requirements for future STO operations.

(4) Develops policy on STO matters in accordance with CJCS Instruction 3120.08C for integrated Joint Special Technical Operations (IJSTO).

(5) Develop operational concepts for the employment of STO capabilities in support of Marine Corps Expeditionary Maneuver Warfare concept.

(6) Perform additional duties and responsibilities as prescribed and designated by the CJCS.

e. Related Standard Occupational Classification (SOC) Title and Code. Management Analyst 13/14-1111.

f. Related Military Skill. None.

MOS 8016 Assigned to officer and enlisted Marines.

9. MOS 8023, Parachutist (SgtMaj/MGySgt to Pvt) NMOS (0211, 0231, 0241, 0261, 0291, 0369, 0372, 0612, 0619, 0621, 0627, 0629, 0651, 0659, 0681, 0689, 0699, 0861, 2336, 2621, 2631, 2651, 2671, 2673, 2674, 2676, 2691, 2821, 2823, 2834, 2841, 2847, 2862, 2891, 5811, 8999,) # #

a. Summary. A Marine who is trained to parachute from an aircraft.

b. Prerequisites. See requirements.

c. Requirements

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

(2) Maintain physical fitness specified by COMNAVMEDCOM standards.

d. 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.

e. Related Standard Occupational Classification (SOC) Title and Code. Special Forces 55-3018.

f. Related Military Skill. None.

MOS 8023 Assigned to officer and enlisted Marines.

10. MOS 8024, Combatant Diver Marine (SgtMaj/MGySgt to Pvt) NMOS (0621, 0627, 0629 0699, 8999) #

a. Summary. A Marine who is trained to use combatant diving equipment.

b. Prerequisites. See requirements.

c. Requirements

(1) Complete MCCDC approved Combatant Diver qualification course.

(2) Maintain physical fitness specified by COMNAVMEDCOM standards.

d. Duties. SgtMaj/MGySgt to Pvt: Employs combatant diving equipment to conduct underwater entry into the objective area to accomplish missions appropriate to billet assigned.

e. Related Standard Occupational Classification (SOC) Title and Code. Commercial Diver 49-9092.

f. Related Military Skill. None.

MOS 8024 Assigned to officer and enlisted Marines.

11. MOS 8026, Parachutist/Combatant Diver Marine (SgtMaj/MGySgt to Pvt) NMOS (0211, 0372, 0621, 0627, 0629, 0699, 0861, 2336, 2621, 2651, 2671, 2673, 2691, 8999) #

a. Summary. A Marine who has completed an MCCDC approved parachute and combatant diver qualification course.

b. Prerequisites. See requirements.

c. Requirements

(1) Must complete the Basic Airborne Course, U.S. Army Infantry School, Ft Benning, GA and the Marine Combatant Diver Course, Panama City, FL.

(2) Maintain physical fitness standards specified by COMNAVMEDCOM.

d. 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.

e. Related Standard Occupational Classification (SOC) Title and Code.
Commercial Diver 49-9092.

f. Related Military Skill

MOS 8026 Assigned to officer and enlisted Marines.

12. MOS 8028, MECEP Participant (MGySgt to Pvt) (FMOS)

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. Prerequisites. N/A.

c. Requirements. N/A.

d. Duties. N/A.

e. Related Standard Occupational Classification (SOC) Title and Code.
Enlisted Military Training/Reporting/Special Duty Code (no related SOC) 00-0001.

f. Related Military Skill. None.

13. MOS 8056, Hazardous Material/Hazardous Waste (HM/HW) Staff Noncommissioned Officer/Noncommissioned Officer (MGySgt to LCpl) FMOS # #

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. Prerequisites. Must possess normal color vision.

c. Requirements

(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, DOD, 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 8056 qualifying courses must appropriately address the following requirements to include, but not limited to:

(a) Reference (al), The Resource Conservation and Recovery Act regulations 40 CFR 122, 262, 264, 265, and 279.

(b) Reference (am), 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 reference (cz), 29 CFR 1910 120(q)(6)(ii).

(d) At least 18 months remaining on current EAS.

(3) Continued validity of MOS is contingent upon the Marine Corps maintaining full compliance with all federal, state, and local refresher training requirements.

d. 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, ensuring such records are maintained per references (cu) and (cv).

(e) Conducts and participates in applicable multimedia environmental inspections, audits, and evaluations.

(f) Supervises and maintains unit level inspection records per references (cu) and (cv), 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:
- (a) Distinguishes HM from HW.
 - (b) Operates HW sites in accordance with applicable directives.
 - (c) Maintains desktop procedures and turnover folders.
 - (d) Maintains unit level environmental training records per references (cu) and (cv).
 - (e) Maintains unit level environmental inspection records per references (cu) and (cv).
 - (f) Maintains applicable environmental publications library.
 - (g) Maintains unit level Hazardous Communication Standard to include Material Safety Data Sheets and Hazardous Material Information System.
 - (h) Tracks unit HW disposal cost.
 - (i) Executes unit level spill contingency plan(s).
 - (j) Maintains unit level emergency response equipment.
 - (k) Conducts applicable multimedia environmental inspections.
 - (l) Maximizes unit source reduction.

e. Related Standard Occupational Classification (SOC) Title and Code.
Hazardous Materials Removal Workers 47-4041.

f. Related Military Skill. None.

MOS 8056 Assigned to officer and enlisted Marines.

14. MOS 8060, Acquisition Specialist (MGySgt to SSgt) FMOS #

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.

b. Prerequisites

- (1) Must be a staff sergeant to master gunnery sergeant.
- (2) Security requirement: Secret security clearance eligibility.

c. Requirements. Must be certified to level 1 of their primary acquisition career field. Career field certification requirements are contained in the current edition of the Defense Acquisition University Catalog.

d. Duties. 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 systems support management.

e. Related Standard Occupational Classification (SOC) Title and Code. Purchasing Agents, Except Wholesale, Retail, and Farm Products 13-1023.

f. Related Military Skill. None.

MOS 8060 This MOS is also assigned to officers in chapter 1.

15. MOS 8071, Special Operations Capability Specialist (SOCS) (MGySgt to LCpl) NMOS 0211, 0231, 0241, 0261, 0291, 0612, 0619, 0621, 0627, 0629, 0651, 0659, 0681, 0689, 0699, 0861, 2821, 2823, 2834, 2841, 2847, 2862, 2891, 2336, 2621, 2631, 2651, 2671, 2673, 2674, 2691, 5811.

a. Summary. Assigned throughout MARSOC, the Special Operations Capability Specialist (SOCS) is responsible for providing support to the Marine Special Operations Forces.

b. Prerequisites

- (1) GT per service MOS.
- (2) Must pass Marine Corps Physical Fitness Test.
- (3) Must be worldwide deployable.
- (4) Must be screened in accordance with the SOCS screening checklist.
- (5) Must have completed pre-deployment requirements as member of MARSOC.
- (6) Security requirement: SCI security clearance eligibility.

c. Requirements

(1) Must be LCpl or above with a minimum of (36) months of service.

(2) Upon successful completion of the Special Operations Training Course (STC) and Survive, Evasion, Resistance, Escape (SERE) Training Marines will be awarded the SOCS NMOS. COMMARFORSOC is the awarding authority for NMOS 8071.

d. Duties. For a complete listing of duties and tasks, refer to NAVMC 3500.97, Marine Special Operations Command Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Special Forces 55-3018.

f. Related Military Skill

- (1) Counterintelligence/Human Intelligence Specialist, 0211.
- (2) Intelligence Specialist, 0231.
- (3) Imagery Interpretation Specialist, 0241.
- (4) Geographic Intelligence Specialist, 0261.
- (5) Airborne Radio Operator/Loadmaster, 7382.
- (6) Wire Chief, 0619.
- (7) Telecommunications Systems Chiefs, 0619.
- (8) Radio Chief, 0629.
- (9) Small Computer Systems Specialist, 0651.
- (10) Data Systems Technician, 0651.
- (11) Data Chief, 0659.
- (12) Information Security Technician, 0681.
- (13) Information Assurance Technician, 0689.
- (14) Field Artillery Radar Operator, 0842.
- (15) Field Artillery Fire Control Man, 0844.
- (16) Special Communications Signals Collection Operator/Analyst,
2621.
- (17) Signals Intelligence Analyst, 2629.
- (18) Electronic Intelligence (ELINT) Intercept Operator/Analyst,
2631.
- (19) Special Intelligence Systems Administrator/Communicator, 2651.
- (20) Military Police, 5811.
- (21) Military Police Dog Handler, 5812.

- (22) Accident Investigator, 5813.
- (23) Joint Terminal Attack Controller, 8002
- (24) Parachutist, 8023.
- (25) Parachutist/Combatant Diver Marine, MOS 8026.

16. MOS 8077, Weapons and Tactics Instructor (WTI) (MGySgt to Sgt) FMOS

a. Summary. Weapons And Tactics Instructor provides a capability to fill associated Operating Force billets to develop and execute a unit training program in accordance with the Weapons and Tactics Training Program (WTP). This training is focused on achieving individual training and readiness through collective operational unit training.

b. Prerequisites. See requirements.

c. Requirements. This MOS is to be assigned only to graduates of the Marine Aviation Weapons and Tactics Squadron One Instructor Course at MCAS Yuma, AZ.

d. Duties

(1) Develop and execute a unit training program per the WTP.

(2) Serve as the unit subject matter expert for mission planning, briefing/debriefing, threat systems and unit weapons system employment.

(3) Plan and integrate unit mission in support of MAGTF and Joint Tasking.

(4) Conduct training in adherence to established standards, and safety and ORM procedures.

e. Related Standard Occupational Classification (SOC) Title and Code. None.

f. Related Military Skill. None.

3150. OCCUPATIONAL FIELD 81, MISCELLANEOUS REQUIREMENT MOS1. MOS 8151, Guard (GySgt to Pvt) FMOS*

a. Summary. Guards enforce, or supervise the enforcement of security measures and the protection of classified material and United States property and personnel.

b. Prerequisites. See requirements.

c. Requirements

(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.

d. Duties

(1) Enforces military or Department of State regulations and orders.

(2) Controls entrances and access to military installations, United States diplomatic missions, or other designated establishments.

(3) 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.

(4) Prevents unauthorized removal and theft of United States Government property.

(5) Makes periodic checks of standing lights and locked doors and designated secure areas.

(6) Receives and verifies guard property.

(7) Maintains guard property accounts and guard report logbooks.

(8) Prepares offense, accident, unusual incident, injury reports and correspondence pertaining to activities of a guard unit.

(9) Assures that scheduled bugle calls are sounded.

(10) Conduct guard mount.

(11) Inspect and instruct guards and sentinels while on post.

(12) Supervises or assists in the supervising of the guard of the day during emergency situations.

(13) Directs traffic, escorts visitors, or vehicles delivering supplies and equipment.

e. Related Standard Occupational Classification (SOC) Title and Code. Security Guards 33-9032.

f. Related Military Skill. None.

2. MOS 8152, Marine Corps Security Force (MCSF) Guard (GySgt to Pvt) (0311, 0331, 0341, 0351, 0352, 0369, 5811) EMOS

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. Prerequisites. Must hold MOS 0311, 0331, 0341, 0351, 0352, 0369, or 5811.

c. Requirements

(1) Complete the Marine Corps Security Force Guard Course.

(2) To be used only as a billet designator in Marine Corps Security Force T/O.

d. Duties. For a complete listing of duties and tasks, refer to Training and Readiness Manuals/Individual Training Standards.

e. Related Standard Occupational Classification (SOC) Title and Code. Security Guards 33-9032.

f. Related Military Skill. None.

3. MOS 8154, Marine Corps Security Force (MCSF) Close Quarters Battle (CQB) Team Member (SSgt to LCpl) FMOS

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. Prerequisites. Must meet the prerequisites prescribed in MCO 1300.20, 5510.7, MCO 5521.3, and MCO 6100.3.

c. Requirements

(1) Complete the Marine Corps Security Force Guard Course.

(2) Complete the Marine Corps Security Force Battalion Close Quarters Battle Course.

(3) To be used as a billet designator in Marine Corps Security Force T/O's.

d. Duties. For a complete listing of duties and tasks, refer to the Training and Readiness Manual/Individual Training Standards.

e. Related Standard Occupational Classification (SOC) Title and Code. Security Guards 33-9032.

f. Related Military Skill. None.

4. MOS 8156, Marine Security Guard (MSG) (MGySgt to PFC) FMOS

a. Summary. The MSG will be assigned to duty to one of 140 plus MSG detachments around the world. The MSG will provide armed internal security to designated U.S. Diplomatic and Consular facilities to prevent the compromise of classified information and equipment vital to the national security of the United States. As part of the MSG detachment, the detachment member's secondary mission is to provide protection for U.S. Citizens and U.S. Government property located within designated U.S. Diplomatic and Consular premises during exigent circumstances, which require immediate aid or action. The detachment member will be physically and mentally capable of enduring a direct counter-intelligence and combat environment, master interior guard procedures, be proficient with security, anti-terrorism, and counter espionage tactics. The MSG member must also be knowledgeable in law enforcement techniques, small arms handling and employment, emergency first aid, force continuum, less than lethal application, and entry and access control procedures.

b. Prerequisites. Must meet the prerequisites prescribed in reference (cc), MCO 1326.2G and pass a pre-screening interview with a member of the MSG screening team.

c. Requirements. Complete the Marine Security Guard School.

d. Duties. For a complete list of duties and tasks, refer to reference (cc), the Marine Security Guard Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Security Guards 33-9032.

f. Related Military Skill. None.

3151. OCCUPATIONAL FIELD 84, MISCELLANEOUS REQUIREMENTS MOS1. MOS 8411, Recruiter (SSgt to Sgt) (0111, 5524) EMOS

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 per references (cu) and (cv). 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. Once voided, this MOS may not be reassigned without prior approval from the CMC (MM).

b. Prerequisites. Must meet the prerequisites prescribed in reference (ce).

c. Requirements. At the staff sergeant to sergeant level, complete Recruiters' School.

d. Duties

- (1) Maintains reports required for systematic recruiting.
- (2) Canvasses the population for prospective applicants.
- (3) Establishes liaison with educational authorities and other civilian agencies.
- (4) Explains the Marine Corps to prospective applicants to include opportunities, regulations, enlistment programs, and assignment locations.
- (5) 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 reference (cf), Military Procurement Manual, Volume 2, Enlisted Procurement.
- (6) Schedules working applicants to take the Armed Services Vocational Aptitude Battery test at the MEPS.
- (7) Arranges for physical examinations of mentally qualified applicants at the MEPS.
- (8) Coordinates with MEPS personnel in assisting applicants to complete Application for Enlistment (DD Form 1966).
- (9) Prepares all other required enlistment documents.
- (10) Arranges for publication and broadcasting of recruiting programs and provides publicity material about the Marine Corps.
- (11) Explains to qualified applicants the appropriate items to take to recruit training.

(12) Instructs an applicant 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.

e. Related Standard Occupational Classification (SOC) Title and Code. Employment, Recruitment, and Placement Specialists 13-1071.

f. Related Military Skill. Career Recruiter, 8412.

2. MOS 8412, Career Recruiter (MGySgt to GySgt) PMOS

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 tours as specified in reference (ac), Career Recruiter Program (CRP) Regular Component. 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. Prerequisites. Must meet the prerequisites prescribed in reference (ac).

c. Requirements. See prerequisites.

d. Duties. For a complete listing of duties and tasks, refer to the Recruiting Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Employment, Recruitment, and Placement Specialists 13-1071.

f. Related Military Skill. Recruiter, 8411.

3152. OCCUPATIONAL FIELD 86, MISCELLANEOUS REQUIREMENT MOS1. MOS 8621, Surveillance Sensor Operator (MSgt to Pvt) (0231, 0311, 0369, 0621, 0629) NMOS

a. Summary. Surveillance Sensor Operators inspect, install, operate, and perform operator maintenance on surveillance equipment prior to and after employment.

b. Prerequisites. Security requirement: Secret security clearance eligibility.

c. Requirements. 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.

d. 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.

e. Related Standard Occupational Classification (SOC) Title and Code. Radar and Sonar Technicians 55-3017.

f. Related Military Skill. None.

2. MOS 8641, Micro-Miniature Repairer (GySgt to LCpl) NMOS (21XX, 28XX, 59XX)

a. Summary. The Micro-Miniature Repairer MOS identifies electronics maintenance personnel who have received training in the highly specialized area of circuit card repair. Micro-miniature 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 micro-miniature components such as surface mounted, highly static sensitive and multilead devices.

b. Prerequisites

(1) EL score of 110 or higher.

(2) Must possess one of the following primary MOSs: 21XX, 28XX, 59XX.

- c. Requirements. See prerequisites.
- d. Duties. For a complete listing of duties and tasks, refer to reference (s), Ground Electronics Training and Readiness Manual.
- e. Related Standard Occupational Classification (SOC) Title and Code. Electrical and Electronics Repairers, Commercial and Industrial Equipment 49-2094.
- f. Related Military Skill. None.

3153. OCCUPATIONAL FIELD 87, MISCELLANEOUS REQUIREMENT MOS1. MOS 8711, Ground Operations Specialist (MGySgt to Cpl) EMOS (0311, 0321, 0369, 0811, 1833, 4341) EMOS

a. Summary. Ground Operations Specialists perform duties in a Ground Combat Element (GCE) operations and training sections.

b. Prerequisites. See requirements.

c. Requirements. Complete the Combat Operations Specialist Course, Expeditionary Warfare Training Group, Pacific or Atlantic.

d. Duties

(1) Demonstrates proficiency in the use of all C2 systems necessary for maintaining a COP in the Operations Section.

(2) Supervises, manages and participates in the preparation and maintenance of the current operational picture (COP) via virtual and actual mediums. This includes, but is not limited to, enemy and friendly situation maps, operational and tactical overlays, and fire support coordination measures.

(3) Supervises, manages and participates in the intelligence and operations information flow within the COC. 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.

(4) Serves as an enlisted advisor and subject matter expert on the operational and tactical capabilities of the unit and its subordinate elements.

(5) Supervises, or participates in, the set-up, tear-down, and displacement of the Combat Operations Center.

(6) Assists in the allocation and scheduling of training areas and coordinating training activities.

(7) Assists in preparation of 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, briefs, training orders, memorandums, schedules, status reports, and S-3 periodic reports.

e. Related Standard Occupational Classification (SOC) Title and Code. Infantry 55-3016.

f. Related Military Skill. None.

3154. OCCUPATIONAL FIELD 89, MISCELLANEOUS REQUIREMENT MOS1. MOS 8911, Billet Designator - Barracks and Grounds Marine (GySgt to Pvt)
FMOS*

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. Prerequisites. See requirements.

c. Requirements

(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.

d. 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) Services buildings and materials such as light bulbs and towels.

(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.

e. Related Standard Occupational Classification (SOC) Title and Code.
Residential Advisors 39-9041.

f. Related Military Skill. None.

2. MOS 8972, Aircrew Trainee (GySgt to Pvt) PMOS

a. Summary. Aircrew trainees, under instruction or close supervision, train for one of the aircrew MOSs.

b. Prerequisites. Must be qualified in MOSs 6XXX and 73XX.

c. Requirements

(1) Complete an appropriate Enlisted Aviation Maintenance Training "A" School.

(2) Volunteer for aircrew training.

(3) Meet the requirements of reference (aj), and reference (ak), the U.S. Navy Medical Department Manual.

d. Duties. Performs routine aircrew duties under instruction and/or close supervision.

e. Related Standard Occupational Classification (SOC) Title and Code.
Enlisted Military Training/Reporting/Special Duty Code (no related SOC) 00-0001.

f. Related Military Skill. None.

3. MOS 8991, Sergeant Major of the Marine Corps (SgtMaj) PMOS

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. 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. Requirements. See prerequisites.

d. 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 inter-organization relationships including inter-service organization and relationships at the highest levels.

e. Related Standard Occupational Classification (SOC) Title and Code. Human Resources, Training, and Labor Relations Specialists, All Other 13-1079.

f. Related Military Skill. Administrative Specialist, 0111.

4. MOS 8999, Sergeant Major-First Sergeant (SgtMaj/1stSgt) PMOS

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. 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. Requirements. See prerequisites.

d. 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 inter-organization relationships including inter-service organization and relationships at the highest levels.

e. Related Standard Occupational Classification (SOC) Title and Code. Human Resources, Training, and Labor Relations Specialists, All Other 13-1079.

f. Related Military Skill. None.

Chapter 3

Enlisted Occupational System

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Ukrainian (MGySgt-Pvt) EMOS.....	2794	3-312
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Chapter 4

Enlisted Conversion Guidance

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Chapter 4

Enlisted Conversion Guidance4001. IMPLEMENTATION OF MOS CONVERSION1. Deputy Commandant, Manpower and Reserve Affairs

a. Director, Manpower Plans (CMC (MP)). Modify models to reflect MOS changes shown in figure 4-1.

b. Director, Personnel Management Division (CMC (MM)). Modify models and other supporting information systems to reflect MOS changes shown in figure 4-1. The Type Transaction Code (TTC) conversion for the Marine Corps Total Force System (MCTFS) will convert MOSSs (BMOS) and PMOS) and add requisite Non-PMOS (as applicable) for active duty components. Action will be accomplished by the CMC (MM) on 1 October 2012 to convert the present MOS codes being revised as listed in the table of MOSSs to the new MOS codes listed (refer to figure 4-1).

c. Director, Management Information Systems Division. Update the MCTFS MOS Tables prior to the CMC (MM) and (RA) submission of the TTC conversions that will occur on 1 October 2012.

2. Commanding General, Marine Corps Recruiting Command. Ensure MOS conversions are entered into the Marine Corps Recruit Information Support System (MCRISS) on 30 April 2012.

3. Commanding General, Training and Education Command. Conduct a final coordination meeting and then release an advisory to Marine forces, which will announce revision of this Manual and serve as the source document on 30 April 2012.

4. Director, Total Force Structure Division (CG MCCDC (TFS)). Update TFSMS to reflect the MOS conversions contained in figure 4-1 in or about February 2012.

5. Commanding General, Training And Education Command. CG TECOM, Ground Training Branch (C 469TD), will release an advisory to Marine forces, which will serve as the source document on 15 April 2012.

6. Marine Corps Reserve

a. CMC (RA). Coordinate retraining of Prior Service MOS Retraining Program" (PSMRP) Marines and Active Reserve (AR) Marines as required for MOS conversion, subject to the availability of funds.

b. The Commander, Marine Forces Reserve (COMMARFORRES). Coordinate retraining of SMCR Marines as required for MOS conversion, subject to the availability of funds.

c. The Commanding General (CG), Individual Reserve Support Organization. Make 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".

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. Commanding Officers will ensure that no unit diary entries are submitted based on the revisions of this Manual until after the 1 October 2008 batch change performed by CMC (MM). Omissions from the batch changes should be coordinated with CMC (MM) before changes are submitted by the unit.
3. Directors of Marine Corps formal schools and commanders of training detachments will award current MOSs until directed by MARADMIN to implement new conversions (usually coinciding with new fiscal year).

PRESENT			NEW MOS			
MOS CODE	PRESENT MOS TITLE	GRADE	CODE	NEW MOS TITLE	GRADE	REMARKS
0211	Counterintelligence/ Human Source Intelligence (CI/ HUMINT) Specialist (PMOS)	MSgt- Cpl	0211	Counterintelligence/ Human Source Intelligence (CI/ HUMINT) Specialist (PMOS)	MSgt- Cpl	7
0231	Intelligence Specialist (PMOS)	MSgt- Pvt	0231	Intelligence Specialist (PMOS)	MSgt- Pvt	7
0241	Imagery Analysis Specialist (PMOS)	MSgt- Sgt	0241	Imagery Analysis Specialist (PMOS)	MSgt- Sgt	7
0261	Geographic Intelligence Specialist (PMOS)	MSgt- Pvt	0261	Geographic Intelligence Specialist (PMOS)	MSgt- Pvt	2, 7
0291	Intelligence Chief (PMOS)	MGySgt	0291	Intelligence Chief (PMOS)	MGySgt	2
0321	Reconnaissance Man (PMOS)	MGySgt- Pvt	0321	Reconnaissance Man (PMOS)	MGySgt- Pvt	7
0323	Reconnaissance Man, Parachute Qualified NMOS (0321)	MGySgt- Pvt	0323	Reconnaissance Man, Parachute Qualified NMOS (0321)	MGySgt- Pvt	7
0324	Reconnaissance Man Combatant Diver Qualified NMOS (0321)	SgtMaj- Pvt	0324	Reconnaissance Man Combatant Diver Qualified NMOS (0321)	SgtMaj- Pvt	7
0648	Spectrum Manager NMOS (0629, 0699, 2651, 5939)	MGySgt- SSgt	0648	Spectrum Manager NMOS (0629, 0699, 2651, 5939)	MGySgt- SSgt	7
0651	Data Systems Technician (PMOS)	Sgt- Pvt	0651	Cyber Network Operator (PMOS)	Sgt- Pvt	2, 7
0653	Defense Message System (DMS) Specialist (NMOS 0651)	Sgt- Pvt	0653	Defense Message System (DMS) Specialist (NMOS)	Sgt Pvt	2
0659	Data Chiefs (PMOS)	GySgt- SSgt	0659	Cyber Network Systems Chief (PMOS)	GySgt- SSgt	2
0689	Computer Network Defense Specialist (PMOS)	MGySgt- Sgt	0689	Cyber Security Technician (PMOS)	MGySgt- Sgt	2, 7
1161	Refrigeration and Air Conditioning Technician (PMOS)	Sgt- Pvt	1161	Refrigeration and Air Conditioning Technician (PMOS)	Sgt- Pvt	7
1343	Assault Breacher Vehicle/Joint Assault Bridge (JAB) Mechanic (NMOS) (1341)	Sgt- Pvt				3
1345	Engineer Equipment Operator (PMOS)	SSgt- Pvt	1345	Engineer Equipment Operator (PMOS)	SSgt- Pvt	7

Figure 4-1.--Enlisted Conversion Table/Guidance

PRESENT		NEW MOS		REMARKS	
MOS CODE	PRESENT MOS TITLE	GRADE	CODE NEW MOS TITLE		GRADE
1349	Engineer Equipment Chief (PMOS)	MGySgt- GySgt	1349 Engineer Equipment Chief (PMOS)	MGySgt- GySgt	7
1371	Combat Engineer (PMOS)	MGySgt- Pvt	1371 Combat Engineer (PMOS)	MGySgt- Pvt	7
2611	Cryptologic Digital Network Technician/Analyst NMOS (2621, 2631, 2651, 2671, 2673, 2674, 2676, 2691)	MGySgt- LCpl	2611 Cryptologic Digital Network Operator/Analyst (NMOS) (2621, 2631, 2651, 2671, 2673, 2674, 2676, 2691)	MGySgt- LCpl	2, 7
2676	Central Asian Cryptologic Linguist (PMOS)	GySgt- Pvt	2676 Central Asian Cryptologic Linguist (PMOS)	GySgt- Pvt	7
3432	Finance Technician (PMOS)	MGySgt- Pvt	3432 Finance Technician (PMOS)	MGySgt- Pvt	7
3521	Automotive Maintenance Technician (PMOS)	Sgt- Pvt	3521 Automotive Maintenance Technician (PMOS)	Sgt- Pvt	7
3522	Automotive Intermediate Maintenance Technician NMOS (3521)	Sgt- LCpl			3
3529	Motor Transport Maintenance Chief (PMOS)	MGySgt- SSgt	3529 Motor Transport Maintenance Chief (PMOS)	MGySgt- SSgt	7
3533	Logistics Vehicle System Operator NMOS (3531)	Sgt- Pvt			3
3537	Motor Transport Operations Chief (PMOS)	MGySgt- SSgt	3537 Motor Transport Operations Chief (PMOS)	MGySgt- SSgt	7
3538	Licensing Examiner NMOS (3521, 3529, 3531, or 3537)	GySgt- Cpl			3
4341	Combat Correspondent (PMOS)	MGySgt- Pvt	4341 Combat Correspondent (PMOS)	MGySgt- Pvt	7
4422	Legal Services Court Reporter NMOS (4421)	MGySgt- Cpl	4422 Legal Services Court Reporter NMOS (4421)	MGySgt- Cpl	7
5939	Aviation Communication Systems Technician (PMOS)	MSgt- Pvt	5939 Aviation Communication Systems Technician (PMOS)	MSgt- Pvt	7
5942	Aviation Radar Repairer (PMOS)	Sgt- Pvt	5942 Aviation Radar Repairer (PMOS)	Sgt- Pvt	7
5952	Air Traffic Control Navigational Aids Technician (PMOS)	GySgt- Pvt	5952 Air Traffic Control Navigational Aids Technician (PMOS)	GySgt- Pvt	7

Figure 4-1.--Enlisted Conversion Table/Guidance (continued)

PRESENT			NEW MOS		GRADE	REMARKS
MOS CODE	PRESENT MOS TITLE	GRADE	CODE	NEW MOS TITLE		
5954	Air Traffic Control Communications Technician (PMOS)	GySgt-Pvt	5954	Air Traffic Control Communications Technician (PMOS)	GySgt-Pvt	7
5959	Air Traffic Control Systems Maintenance Chief (PMOS)	MGySgt-MSgt	5959	Air Traffic Control Systems Maintenance Chief (PMOS)	MGySgt-MSgt	7
5974	Tactical Data Systems Technician (PMOS)	MSgt-Pvt	5974	Tactical Data Systems Technician (PMOS)	MSgt-Pvt	7
6177	Weapons and Tactics Crew Chief Instructor NMOS (6172, 6173, 6174, 6176, 6276, 7372, 7382)	MGySgt-LCpl	8077	Weapons and Tactics Instructor (WTI) FMOS	MGySgt-LCpl	5
6177	Weapons and Tactics Crew Chief Instructor NMOS (6172, 6173, 6174, 6176, 6276, 7372, 7382)	MGySgt-LCpl				3
7277	Weapons and Tactics Instructor Air Control NMOS (7212, 7236, 7242, 7257, 7291)	MGySgt-SSgt	8077	Weapons and Tactics Instructor (WTI) FMOS	MGySgt-LCpl	5
7277	Weapons and Tactics Instructor Air Control NMOS (7212, 7236, 7242, 7257, 7291)	MGySgt-SSgt				3
6842	METOC Analyst Forecaster (PMOS)	MGySgt-Pvt	6842	METOC Analyst Forecaster (PMOS)	MGySgt-Pvt	7
8016	Special Technical Operations (FMOS)	MGySgt-Pvt	8016	Special Technical Operations (STO) Chief (FMOS)	MGySgt-Sgt	2, 4, 7
			8077	Weapons and Tactics Instructor (WTI) (FMOS)	MGySgt-Sgt	1, 6

NOTE:

1. New MOS/Reestablished MOS.
2. Revised MOS description.
3. Deleted MOS
4. Entry or terminal grade/category MOS revised.
5. Convert to a specified MOS.
6. To be assigned as a NMOS, EMOS, or FMOS only.
7. Requirement change.
8. Status of MOS has changed (i.e., PMOS to NMOS, etc.)
9. OccFld/MOS number changed only.

Figure 4-1.--Enlisted Conversion Table/Guidance (continued)

NAVY OFFICER DESIGNATORS (DES) AND BILLET CODES (NOBC)

<u>DES</u>	<u>NOBC</u>	<u>TITLE</u>
1000		Billet-Any Unrestricted Line Officer or Special Duty Officer
	0944	Professional Registered Nurse
	2190	Liaison Officer, Naval Research and Development
	3250	Instructor, Technical
	3251	Instructor, Academic
	3270	Instructor, Naval Science
	3710	Chaplain
	3925	Military Manpower Requirements Control Officer Title for NOB18
1050		Billet-Any Unrestricted Line Officer Warfare Specialty Officer
1110		Surface Warfare
1310		Aviation Warfare officer, Pilot, Code 0
1311		Aviation Warfare Officer, Pilot, Code 1
	3217	Training Planning and Program Officer (Aviation, Flight)
1312		Aviation Warfare Officer, Pilot, Code 2
1322		Aviation Warfare Naval Flight Officer, Code 2
2000		SC-Billet-Medical Department (Medical Admin) 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
	0102	General Practice Medical Officer
	0108	Family Physician
2100		SC-Billet Medical Corps Officer
	0101	Internist
	0107	Undersea Medical Officer
	0109	Emergency Medical Specialist
	0115	Psychiatrist
	0118	Anesthesiologist
	0160	Preventive Medicine Officer
	0166	Preventive Medicine Officer (Occupational)
	0214	General Surgeon
2102		Staff Corps Officer billet Code 2 - Operational Flying, requiring Medical specialty of a qualified Flight Surgeon
	0110	Flight Surgeon
	0163	Preventive Medicine Officer (Aerospace)
2200		SC-Billet-Dental Corps Officer
	0335	Dental Officer General Practitioner
	0340	Operative Dentist
	0510	Endodontist
	0525	Comprehensive Dentist
	0550	Oral Maxillofacial Surgeon
	0560	Periodontist
	0569	Prosthodontist
2300		SC-Billet-Medical Service Corps Officer
	0005	Director, Health Service or Program
	0026	Health Services Branch Clinic Director

<u>DES</u>	<u>NOBC</u>	<u>TITLE</u>
	0031	Plans, Operations, and Medical Intelligence
	0055	Commanding Officer, Fleet Marine Force Company
	0800	Health Care Administrator
	0845	Radiation Health Officer
	0860	Entomologist
	0861	Environmental Health Officer
	0862	Industrial Hygiene Officer
	0868	Social Worker
	0892	Podiatrist
2302		SC-Billet Medical Service Corps Officer, Code 2
	0849	Aerospace Physiologist
	0851	Clinical Psychologist
2500		SC-Billet-Judge Advocate General Corps Officer
	2529	International Law Attorney
2900		SC-Billet Nurse Corps Officer
	0002	
	0002	Medical Department Staff Officer
	0005	Director, Health Service or Program
	0026	Services Branch Clinic Director
	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	Preoperative Nurse
	0944	Professional Registered Nurse
	0952	Nurse Anesthetist
3100		SC-Billet-Supply Corps Officer
	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 (Aviation)
4100		SC-Billet-Chaplain Corps Officer
	3701	Chaplain Selectee
	3740	Group Chaplain
	3745	Force Chaplain
	3750	Claimant Chaplain
5100		SC-Billet-Civil Engineer Corps Officer
	4205	Facilities Engineering Officer
	4210	Staff Facilities 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		LDO-Billet-Limited Duty Officer, Operations-Surface
6330		LDO-Billet-Limited Duty Officer, Maintenance-Aviation
7110		CWO-Billet-Chief Warrant Officer, Boatswain-Surface

<u>DES</u>	<u>NOBC</u>	<u>TITLE</u>
7120		CWO-Billet-Chief Warrant Officer, Operations Technician-Surface
7510		CWO-Billet-Chief Warrant Officer, Supply Corps
7530		CWO-Billet-Chief Warrant Officer, Civil Engineer Corps

NAVY ENLISTED CLASSIFICATION CODES (NEC's)

<u>NEC</u>	<u>TITLE</u>
2401	Marine Basic Combat Skills Specialist
2514	Flag Officer Writer
4313	Outboard Engine Mechanic
5341	Master Diver
5342	Diver First Class
5345	SCUBA Diver
5601	Uninterruptible Power Supply (UPS) Maintenance
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 Equipment 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 Maintenance Man
7022	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/Maintenance Man
7232	Advanced Composite Structural Repair IMA Technician
7978	Radar Set Test Station IMA Technician
8133	EH-38 Photographic Quality Control Technician
8342	F/A-18 A/B/C/D Systems Organizational Career Maintenance Technician
8351	A-4 Systems Organizational Maintenance Technician
8380	UH-1N Systems Organizational 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 Corpsman
8427	Fleet Marine Force Reconnaissance Corpsman
8432	Preventive Medicine Technician
8451	Basic X-Ray Technician
8452	Advanced X-Ray 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
8708	Dental Hygienist
8752	Basic Dental Laboratory Technician
8753	Advanced Dental Laboratory Technician
8842	F/A-18 A/B/C/D System Organizational Initial Maintenance
NEC1	Title for NEC1