

3113. OCCUPATIONAL FIELD 06, COMMUNICATIONS

1. Introduction. The Communications Occupational Field includes the design, installation, interconnection, and operation of communication networks and information systems used to transmit information and data. Marines in this field operate and perform preventive maintenance on both hardware and software systems; including telephone, switching, radio, cryptographic, and Cyber Network systems, which are essential links in the overall functions of communication. They must have basic to advanced manual and language skills and must be able to master precise communication and computer procedures, as well as interact on a daily basis with users to solve communication systems challenges. Attention to detail and the ability to work closely with others are essential requirements. Eligibility for a security clearance is a requirement for communication systems specialties. Marines entering Communications Systems are assigned MOS 0600, Basic Communications Systems Marine. They will participate in various communication systems functions while training for a designated MOS within the OccFld. Entry-level jobs include work as a Field Radio Operator, Tactical Switching Operator, Digital Multichannel Wideband Transmission Equipment Operator, Satellite Communications Operator, Cyber Network Operator, and Cyber Security Technician and Information Security Technicians. The opportunity to participate in a formal apprenticeship program leading to receipt of a Department of Labor Certificate of Apprenticeship Completion may be available in some MOSs within OccFld 0600. More detail information on tasks and training objectives can be found in reference (i), the Communications Training and Readiness Manual for OccFld 06.

2. MOS 0612, Tactical Switching Operator (Sgt to Pvt) PMOS

a. Summary. Tactical Switching Operators are the foundation of cabled communications in the Marine Corps. The primary function of personnel holding this designation is to install, operate, and maintain digital and internet protocol telecommunications systems that interconnect key locations with reliable paths for the transmission of classified and unclassified voice, video, and data services. Typical duties of this MOS include installing, maintaining, and recovering cable distribution infrastructure, telephones, Voice and Video, local session controllers, media gateways, and media converters. Skill progression training for Staff Sergeant through Corporal is the Telecommunications Supervisor's Course.

b. Prerequisites

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

c. Requirements. Complete the Telephone Systems Installer Maintainer (TSIMC) Course (M09DPV1), MCCES 29 Palms, CA.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
M09DPV1	Telephone Systems Installer Maintainer (TSIMC)	Twentynine Palms, CA

d. Duties. For a complete listing of duties and tasks, refer to reference (i), Communications Training and Readiness Manual.

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

(1) Line Installers and Repairers/Telephone Line 49-9052.

(2) Telecommunications Equipment Installers and Repairers, Except Line Installers 49-2022.

f. Related Military Skill. None.

3. MOS 0613, Construction Wireman (Sgt to Pvt) NMOS (0612)

a. Summary. A Construction Wireman is a Marine holding MOS 0613 performing duties in commercial outside plant cable distribution systems, installation and maintenance. Typical duties include integrating cable distribution systems with host nation systems, operating specialized construction equipment (line trucks, trenchers, and rock saws), installing structured cabling systems in buildings, emplacing underground conduit distribution systems and maintaining aerial cable distribution systems.

b. Prerequisites

(1) Must possess MOS 0612.

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

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

(4) Must have normal color vision.

(5) Security requirement: Secret security clearance eligibility.

c. Requirements. Complete the Communications Cable and Antenna Systems Apprentice (Marines) Course (F03BNB1) at Sheppard AFB, TX.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
F03BNB1	Communications Cable And Antenna Systems Apprentice (Marines)	Sheppard AFB, TX

d. Duties. For a complete listing of duties and tasks, refer to reference (i), Communications Training and Readiness Manual.

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

(1) Telecommunications Equipment Installers and Repairers, Except Line Installers 49-2022.

(2) Telecommunications Line Installers and Repairers 49-9052.

f. Related Military Skill. None.

4. MOS 0619, Telecommunications Systems Chief (GySgt to SSgt) PMOS

a. Summary. Telecommunications Systems Chiefs supervise and perform advanced installation, operation, and maintenance of cable infrastructures and command and control telephony systems. These systems provide transport for critical classified and unclassified voice, video and data services. In addition, Telecommunication Systems Chiefs manage budgeting, inventory, plans, quality control, and operations of garrison inside and outside plant telecommunications networks. Skill progression training for Gunnery Sergeants and Staff Sergeants is the Telecommunications Systems Chiefs Course.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) This PMOS is awarded upon promotion to Staff Sergeant only to Marines holding MOS 0612.

(2) Upon promotion to Staff Sergeant, Marines holding MOS 0619 are expected to attend the Telecommunications Systems Chief Course (M09BNK1) conducted at MCCES 29 Palms, CA.

(3) Active duty Marines must have two years of active duty upon completion of training.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
M09BNK1	Telecommunications Systems Chief	Twentynine Palms, CA

d. Duties. For a complete listing of duties and tasks, refer to reference (i), Communications Training and Readiness Manual.

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 0621, Field Radio Operator (Sgt to Pvt) PMOS

a. Summary. Field Radio Operators employ radio to send and receive messages. Typical duties include the set up and tuning of radio equipment and Very Small Aperture Terminal-Small, including antennas and power sources; establishing contact with distant stations; processing and logging of messages; making changes to frequencies or cryptographic codes; and maintaining equipment at the first echelon. Skill progression training for Staff Sergeant through Corporal is Radio Supervisors Course.

b. Prerequisites

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

- (2) Must possess an EL score of 105 or higher.
- (3) Must possess a valid state driver's license.
- (4) Security requirement: Secret security clearance eligibility.

c. Requirements. Complete the Field Radio Operator (FROC) Course (M0925U1) at MCCES 29 Palms, CA.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
M0925U1	Field Radio Operator (FROC)	Twentynine Palms, CA
M09CGW1	Information Technology (IT) Essentials	Twentynine Palms, CA

d. Duties. For a complete listing of duties and tasks, refer to reference (i), Communications Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Radio Operators 27-4013.

f. Related Military Skill. Airborne Radio Operator.

6. MOS 0622, Digital (Multi-channel) Wideband Transmission Equipment Operator (Sgt to Pvt) NMOS (0621)

a. Summary. The Digital Multi-Channel Wideband Transmission Equipment Operator is trained to install, operate and maintain the AN/MRC-142 Digital Wideband Transmission Systems (DWTS). Marines trained on the operation of the platform can employ the AN/MRC-142 to exchange data in a single point-to-point (PTP) configuration or two separate simultaneous locations for multi-point operation.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must possess an EL score of 105 or higher.
- (3) Must possess a valid state driver's license.
- (4) Security requirement: Secret security clearance eligibility.
- (5) Must possess MOS 0621.

c. Requirements. Complete Digital Multi-channel Wideband Transmission Equipment Operator Course (M09DRV1) at MCCES 29 Palms, CA.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
M09DRV1	Digital Multi-Channel Wideband Transmission Equipment Operator	Twentynine Palms, CA

d. Duties. For a complete listing of duties and tasks, refer to reference (i), Communications Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code.
Radio Operators 27-4013.

f. Related Military Skill. Tropospheric Scatter Radio Multi-channel Equipment Operator, 0623.

7. MOS 0623, Tropospheric Scatter Radio Multi-Channel Equipment Operator (Sgt to Pvt) NMOS (0621)

a. Summary. The Tropospheric Scatter Radio Multi-Channel Equipment Operator is a Marine that's trained to install, operate and maintain the AN/TRC-170 (Tropospheric Scatter Microwave Radio Terminal). Marines trained on the operation of the platform can employ the AN/TRC-170 provides inter-switch transmission links up to 100 miles in range between two different locations.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must possess an EL score of 105 or higher.
- (3) Must possess a valid state driver's license.
- (4) Security requirement: Secret security clearance eligibility.
- (5) Must possess MOS 0621.

c. Requirements. Complete the Tropospheric Scatter Radio Multi-channel Equipment Operator Course (M09DRW1) at MCCES, 29 Palms, CA.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
M09DRW1	Tropospheric Scatter Radio Multi-Channel Equipment Operator	Twentynine Palms, CA

d. Duties. For a complete listing of duties and tasks, refer to reference (i), Communications Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code.
Radio Operators 27-4013.

f. Related Military Skill. Digital (Multi-channel) Wideband Transmission Equipment Operator, MOS 0622.

8. MOS 0627, Satellite Communications Operator (Sgt to Pvt) NMOS (0621)

a. Summary. The Satellite Communications Operator is a Marine that's trained to install, operate and maintain various satellite communication platforms from the Secure Mobile Anti-Jam Reliable Tactical Terminal (SMARTT/AEHF) AN/TSC-154, the Lightweight Multi-Band Satellite Terminal (LMST/SHF) AN/USC-65(V), the Phoenix Tactical SHF Terminal (TSST) AN/TSC-156 and Very Small Aperture Terminal-Large (VSAT-L)AN/TSC-181B, providing classified and unclassified data, voice and video teleconferencing capabilities in garrison or tactical environments.

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.
- (4) Must possess a valid state driver's license.
- (5) Must possess MOS 0621.

c. Requirements. Complete Intro to SATCOM Course (A09CGU1), SMART-T Operator, Maintainer (USMC) Course (A09DTN1), Phoenix Systems Operator (USMC) Course (A09L4S1) and the Lightweight Multiband Sat Term OP/MT (USMC) Course (A09DTA1) at Ft Gordon, GA.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
A09CGU1	Intro To SATCOM (USMC)	Ft Gordon, GA
A09DTN1	Smart-T Operator/Maintainer (USMC)	Ft Gordon, GA
A09DTA1	Lightweight Multiband Sat Term OP/MT(USMC)	Ft Gordon, GA
A09L4S1	Phoenix Systems Operator (USMC)	Ft Gordon, GA

d. Duties. For a complete listing of duties and tasks, refer to reference (i), Communications Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Radio Operators 27-4013.

f. Related Military Skill. None.

9. MOS 0629, Radio Chief (GySgt to SSgt) PMOS

a. Summary. Radio Chiefs supervise the installation and operation of fixed and field radio systems, microwave systems, and satellite communications systems. A Radio Chief must be familiar with the equipment capabilities and system integration for all elements of switching, transmission, data communications, and information assurance. They prepare and execute radio communications and plans vital to successful deployments for highly mobile and reliable communications. Additionally, the Radio Chiefs must understand maintenance and be familiar with budgeting, and administration. Skill progression training for Gunnery Sergeant and Staff Sergeant is the Radio Chief Course.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) This MOS is awarded upon promotion to Staff Sergeant only to Marines holding MOS 0621, 0622, 0623, or 0627.
- (3) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Upon promotion to Staff Sergeant, Marines holding MOS 0629 are expected to attend the Radio Chief Course (M09BNL1) conducted at MCCES 29 Palms, CA.

(2) Active duty Marines must have two years of active duty upon completion of training.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
M09BNL1	Radio Chief	Twentynine Palms, CA

d. Duties. For a complete listing of duties and tasks, refer to reference (i), Communications Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code.
Radio Operator 27-4013.

f. Related Military Skill. Wire Chief, 0619.

10. MOS 0648, Spectrum Manager (MGySgt to SSgt) NMOS (0629, 0699, 2651, 5939)

a. Summary. Spectrum Managers coordinate the use of Marine Air Ground Task Force (MAGTF) Spectrum-Dependent (S-D) Equipment and Systems into the electromagnetic environment (EME). Spectrum Managers must be thoroughly familiar with and trained in international, national, DOD, Joint and Service level spectrum policy, allocations and frequency assignment procedures; spectrum supportability and certification procedures; coordination of Host Nation Approval (HNA); radio theory; spectrum analysis and engineering effects of electromagnetic compatibility (EMC); and determination, mitigation and resolution of electromagnetic interference (EMI). Spectrum Managers implement policy and guidance for the effective and efficient use of the electromagnetic spectrum; administer and manage the MAGTF's use of national level and DOD associated spectrum databases; and coordinates the development of the Communications Electronic Operating Instruction (CEOI) and Joint Restricted Frequency List (JRFL). Spectrum Managers must be knowledgeable of all DOD/Service and commercial S-D equipment and systems to include, but not limited to, command and control, communications, intelligence, surveillance and reconnaissance (ISR) assets, aviation platforms, radar and navigation, electronic warfare (EW), munitions and weapons systems, etc.

b. Prerequisites

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

(2) Must have obtained the rank of Staff Sergeant or above in one of the following MOSs: MOS 0629, 0699, 2651, or 5939.

(3) Security requirement: Top secret security clearance eligibility. Some operational billets may require SCI security clearance eligibility.

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

c. Requirements

(1) Complete the Electromagnetic Spectrum Management Course (F0224L1) at the Technical Training Center, Keesler AFB, MS.

(2) Must have two years of active duty remaining upon completion of training.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
F0224L1	Electromagnetic Spectrum Management	Biloxi, MS

d. Duties. For a complete listing of duties and tasks, refer to reference (i), Communications Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Communications Equipment Operators, All Other 43-2099.

f. Related Military Skill. None.

11. MOS 0651, Cyber Network Operator (Sgt to Pvt) PMOS

a. Summary. Cyber Network Operators are responsible for the installation, configuring and management of cyber network systems in both stand alone and client-server environments including Microsoft based curriculum and MS Exchange/Server, CISCO Certified Network Associate (CCNA) modules 1-4 as well as other authorized cyber network systems. They install, configure and maintain cyber services, both hardware and software. They also plan and execute the integration of multiple information systems to include Data Distribution System-Replacement/Modular (DDS-M), in a network environment, evaluate and resolve customer information system problems and effect hardware upgrades and repair to maintain mission capability. Skill progression for Staff Sergeant through Corporal is the Cyber Network Supervisor Course.

b. Prerequisites

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

(2) Must possess a GT score of 110 or higher.

(3) Security requirement: Secret security clearance eligibility.

c. Requirements. Complete the Cyber Network Operator Course (M09BNW1), MCCES 29 Palms, CA.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
M09CGW1	Information Technology (IT) Essentials	Twentynine Palms, CA
M09BNW1	Cyber Network Specialist	Twentynine Palms, CA

d. Duties. For a complete listing of duties and tasks, refer to reference (i), Communications Training and Readiness Manual.

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

f. Related Military Skill. Special Intelligence Systems Administrator/Communicator, 2651.

12. MOS 0659, Cyber Network Systems Chief (GySgt to SSgt) PMOS

a. Summary. Cyber Network Systems Chiefs perform advanced systems installation, operation, integration and troubleshooting in order to maintain optimum secure cyber communication systems. They plan and supervise the installation, configuration and maintenance of all cyber communication systems and network services in both a garrison and deployment environment. Cyber Network Systems Chiefs plan and design local and wide area networks and link heterogeneous networks through the application of appropriate cyber and telecommunication hardware and software. Skill progression training for Gunnery Sergeants and Staff Sergeants is the Cyber Systems Chief Course.

b. Prerequisites

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

(2) This MOS is awarded upon promotion to Staff Sergeant only to Marines holding MOS 0651.

(3) Security requirement: Secret security clearance eligibility.

(4) Active Duty Marines must have two years of active duty upon completion of training.

c. Requirements. Upon promotion to Staff Sergeant, Marines holding MOS 0659 are expected to attend the Cyber Systems Chief Course (M09BNU1) conducted at MCCES 29 Palms, CA.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
M09AN31	Cisco Certified Network Associate (CCNA)	Twentynine Palms, CA
M09BNU1	Cyber Systems Chief	Twentynine Palms, CA

d. Duties. For a complete listing of duties and tasks, refer to reference (i), Communications Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Network Systems and Data Communications Analysts 15-1081.

f. Related Military Skill. Cyber Network Operator, 0651.

13. MOS 0681, Information Security Technician (MGySgt to SSgt) PMOS

a. Summary. Information Security Technicians serve as the primary functional proponent for cryptographic key management infrastructure. These Marines provide day-to-day operation of the Electronic Key Management System (EKMS), as well as other duty areas related to Information Security (INFOSEC), such as Public Key Infrastructure (PKI) and FORTEZZA Card Management. Entry-level input to this MOS may be from any MOS at the grades of Staff Sergeant or Gunnery Sergeant. This MOS will be awarded by the CMC, DC/M&RA, to Marines approved for lateral move and on completion of one of the listed approved courses in subparagraph b(3) below.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must possess a GT score of 100 or higher.
- (3) Must have attained the rank of Staff Sergeant.
- (4) Security requirement: Top Secret security clearance eligibility.
- (5) Active duty Marines must have two years of active duty remaining upon completion of training.
- (6) Complete lateral move screening sheet by an MSgt or MGySgt MOS 0681.

c. Requirements. Complete one of the following courses of instruction as delineated in the EKMS 1B (Series): I MEF EKMS Management Course, Camp Pendleton, CA; II MEF EKMS Management Course, Camp Lejeune, NC; or III MEF EKMS Management Course, Camp Courtney, Okinawa, Japan.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
M03DRRG	Electronic Key Management System	
M10DRRB	Electronic Key Management System	
M22DRR4	Electronic Key Management System	

d. Duties. For a complete listing of duties and tasks, refer to reference (i), Communications Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Network Systems and Data Communications Analysts 15-1081.

f. Related Military Skill. Cyber Operations Technician, 0689.

14. MOS 0688, Cyber Security Apprentice (Sgt to Pvt) NMOS (0651)

a. Summary. Cyber Security Apprentices work at base, post, and station in the supporting establishment, and in operating forces units. They execute security policies, plans, and procedures; implement Cyber network security measures; network intrusion detections; assist with system hardening concepts; assist with forensics; assist with information system security incident handling; Operate the Distributed Data System - Modular Information Assurance Module (DDS-M IAM); Operates McAfee's Policy Orchestrator (EPO) server; This MOS is awarded to Marines holding PMOS 0651. The skill progression training for Sergeant and Corporal is the Cyber Network Supervisor Course. FTAP Marines are encouraged to lateral move to MOS 0689 Cyber Security Technician once eligible to compete for reenlistment.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must possess MOS 0651.
- (3) Security requirement: Secret security clearance eligibility.

c. Requirements. Complete the Cyber Security Apprentice Course (XXXXXXX) at MCCES, 29 Palms, CA.

d. Duties. For a complete listing of duties and tasks, refer to reference (i), Communications Training and Readiness Manual.

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

f. Related Military Skill

- (1) Cyber Network Operator, 0651.
- (2) Cyber Network Systems Chief, 0659.
- (3) Cyber Security Technician, 0689.

15. MOS 0689, Cyber Security Technician (MGySgt to Sgt) PMOS

a. Summary. Cyber Security Technicians are responsible for all aspects of ensuring Marine Corps information systems data availability, integrity authentication, confidentiality, and non-repudiation. Computer Network Defense Specialist implement and monitor security measures for USMC Communication Information Systems Networks, and advise the commander that systems and personnel adhere to established security standards and governmental requirements for security on these systems. Duties include assisting in the development and execution of security policies, plans, and procedures; design and implementation of data network security measures; network intrusion detections and forensics; information system security incident handling; and certification of Marine Corps systems and networks. The skill progression training for Master Gunnery Sergeant through Staff Sergeant is the Information Assurance Managers Course (IAM) and Cyber Security Chiefs Course.

b. Prerequisites

(1) Must possess MOS 0612, 0619, 0621, 0623, 0627, 0629, 0651, 0659, 2651, 2821, 2823, 2847, 5939, 5954, 5974, or 6694.

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

(3) Must possess a GT score of 110 or higher.

(4) Must have attained the rank of Sergeant or above.

(5) Security requirement:

(a) Sensitive Compartmented Information (SCI) eligibility.

(b) Prior to conducting the lateral move interview, all applicants are required to complete a security screening with the Special Security Officer (SSO).

(c) All 0689's assigned to MARFORCYBER are required to maintain Top Secret (TS) with the additional adjudication of Sensitive Compartmented Information (SCI) eligibility.

c. Requirements. Complete the Information Assurance Technician Course, MCCES 29 Palms, CA.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
M09BNJ1	Information Assurance Technician	Twentynine Palms, CA

d. Duties. For a complete listing of duties and tasks, refer to reference (i), Communications Training and Readiness Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Network Systems and Data Communications Analysts 15-1081.

f. Related Military Skill. Information Security Technician, 0681.

16. MOS 0699, Communications Chief (MGySgt to MSgt) PMOS

a. Summary. Communications Chiefs are the Senior Staff Noncommissioned Officers that directly assist the communications officer in developing the communications plan. A Communications Chief must possess an overall knowledge of the equipment capabilities and system integration for all elements of switching, single-channel radio, transmission, cyber networks and information assurance. Additionally, they must have overall knowledge of maintenance, budgeting and administration. They supervise communication units to determine equipment and operational readiness thereby supervising the installation, operation and maintenance of communication facilities. The skill progression training for Master Gunnery Sergeants and Master Sergeants is the Communications Chief Course.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Security requirement: Secret security clearance eligibility.
- (3) This MOS is awarded upon promotion to Master Sergeant only to Marines holding MOS 0619, 0629, or 0659.
- (4) Active duty Marines must have 2 years of active duty upon completion of training.

c. Requirements

- (1) This MOS is awarded upon promotion to Master Sergeant only to Marines holding MOS 0619, 0629, or 0659.
- (2) Upon promotion to Master Sergeant, Marines holding MOS 0699 are expected to attend the Communications Chief Course (M09CHN1) conducted at MCCES 29 Palms, CA

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
M09CHN1	Communications Chief	Twentynine Palms, CA

d. Duties. For a complete listing of duties and tasks, refer to reference (i), Communications Training and Readiness Manual.

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

f. Related Military Skill

- (1) Telecommunications Systems Chief, 0619.
- (2) Radio Chief, 0629.
- (3) Cyber Network Systems Chief, 0659.

MGySgt			0648		
MSgt			0648		
GySgt			0648		
SSgt			0648		
Sgt	0613	0622		0652	0653
Cpl	0613	0622		0652	0653
LCpl	0613	0622			0653
PFC	0613	0622			0653
Pvt	0613	0622			0653

MOS	Title
0613	Construction Wireman (NMOS)
0622	Digital (Multi-channel) Wideband Transmission Equipment Operator (NMOS)
0648	Spectrum Manager (NMOS)
0652	Certification Authority Workstation (CAW) Operator (NMOS)
0653	Defense Message System (DMS) Specialist (NMOS)

Figure 3-6.--Communications

MOS 0612, Tactical Switching Operator (PMOS)

SGT	Required Training: Telephone Systems Installer/ Maintainers Course Skill Progression: Skill Enhancement: MOS Assignment:	Telephone Systems Installer/ Maintainers Course OPFOR: Div HQ/MAW/MLG/Comm Bn SE: MCB/MCCDC/MCCES

CPL	Required Training: Telephone Systems Installer/ Maintainers Course Skill Progression: Skill Enhancement: MOS Assignment:	Telephone Systems Installer/ Maintainers Course OPFOR: Div HQ/MAW/MLG/Comm Bn SE: MCB/MCCDC/MCCES

LCPL	Required Training: Telephone Systems Installer/ Maintainers Course Skill Progression: Skill Enhancement: MOS Assignment:	Telephone Systems Installer/ Maintainers Course OPFOR: Div HQ/MAW/MLG/Comm Bn SE: MCB/MCCDC/MCCES

PFC	Required Training: Telephone Systems Installer/ Maintainers Course Skill Progression: Skill Enhancement: MOS Assignment:	Telephone Systems Installer/ Maintainers Course OPFOR: Div HQ/MAW/MLG/Comm Bn SE: MCB/MCCDC/MCCES

PVT	Required Training: Telephone Systems Installer/ Maintainers Course Skill Progression: Skill Enhancement: MOS Assignment:	Telephone Systems Installer/ Maintainers Course OPFOR: Div HQ/MAW/MLG/Comm Bn SE: MCB/MCCDC/MCCES

MOS 0613, Construction Wireman (NMOS)

SGT	Required Training: Communications Cable and Antenna Systems Apprentice Course Skill Progression: Skill Enhancement: MOS Assignment:	Communications Cable and Antenna Systems Apprentice Course OPFOR: Div HQ/MAW/MLG/Comm Bn SE: MCB

CPL	Required Training: Communications Cable and Antenna Systems Apprentice Course Skill Progression: Skill Enhancement: MOS Assignment:	Communications Cable and Antenna Systems Apprentice Course OPFOR: Div HQ/MAW/MLG/Comm Bn SE: MCB

Figure 3-6.--Communications

LCPL	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Communications Cable and Antenna Systems Apprentice Course OPFOR: Div HQ/MAW/MLG/Comm Bn SE: MCB

PFC	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Communications Cable and Antenna Systems Apprentice Course OPFOR: Div HQ/MAW/MLG/Comm Bn SE: MCB

PVT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Communications Cable and Antenna Systems Apprentice Course OPFOR: Div HQ/MAW/MLG/Comm Bn SE: MCB

<u>MOS 0619, Telecommunications Systems Chief (PMOS)</u>		
GYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	 OPFOR: Div HQ/MAW/MLG/Comm Bn/HQ SE: MCB/MCCDC/MCAGCC

SSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	 OPFOR: Div HQ/MAW/MLG/Comm Bn/HQ SE: MCB/MCCDC/MCAGCC

<u>MOS 0621, Field Radio Operator PMOS</u>		
SGT	Required Training: Skill Progression: Skill Enhancement:	Field Radio Operator Course Support Wide Area Network (SWAN) RF Incidental Operator Course Enhanced Positioning Location Reporting System (EPLRS) Operator Course Joint Automated CEOI System (JACS) Course

Figure 3-6.--Communications (continued)

	MOS Assignment:	OPFOR: Div HQ/MAW/MLG/Comm Bn/HQ SE: MCB/MCCDC/MCCES

CPL	Required Training:	Field Radio Operator Course
	Skill Progression:	
	Skill Enhancement:	Enhanced Positioning Location Reporting System (EPLRS) Operator Course
		Support Wide Area Network (SWAN) RF Incidental Operator Course
	MOS Assignment:	OPFOR: Div HQ/MAW/MLG/Comm Bn/HQ SE: MCB/MCCDC/MCCES

LCPL	Required Training:	Field Radio Operator Course
	Skill Progression:	
	Skill Enhancement:	Support Wide Area Network (SWAN) RF Incidental Operator Course
	MOS Assignment:	OPFOR: Div HQ/MAW/MLG/Comm Bn/HQ SE: MCB/MCCDC/MCCES

PFC	Required Training:	Field Radio Operator Course
	Skill Progression:	
	Skill Enhancement:	Support Wide Area Network (SWAN) RF Incidental Operator Course
	MOS Assignment:	OPFOR: Div HQ/MAW/MLG/Comm Bn/HQ SE: MCB/MCCDC/MCCES

PVT	Required Training:	Field Radio Operator Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: Div HQ/MAW/MLG/Comm Bn/HQ SE: MCB/MCCDC/MCCES

MOS 0622, Digital (Multi-channel) Wideband Transmission Equipment Operator (NMOS)

SGT	Required Training:	Digital Multi-Channel Wideband Transmission Equipment Operator Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MAW/Com Bn/HQ/Div/MLG SE: MCB/MCCDC/MCAGCC

CPL	Required Training:	Digital Multi-Channel Wideband Transmission Equipment Operator Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MAW/Com Bn/HQ/Div/MLG SE: MCB/MCCDC/MCAGCC

LCPL	Required Training:	Digital Multi-Channel Wideband Transmission Equipment Operator Course
	Skill Progression:	
	Skill Enhancement:	

Figure 3-6.--Communications (continued)

	MOS Assignment:	OPFOR: MAW/Com Bn/HQ/Div/MLG SE: MCB/MCCDC/MCAGCC

PFC	Required Training:	Digital Multi-Channel Wideband Transmission Equipment Operator Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MAW/Com Bn/HQ/Div/MLG SE: MCB/MCCDC/MCAGCC

PVT	Required Training:	Digital Multi-Channel Wideband Transmission Equipment Operator Course
	Skill Progression:	
	Skill Enhancement:	Mobile Multi-Channel Equipment Operator Course
	MOS Assignment:	OPFOR: MAW/Com Bn/HQ/Div/MLG SE: MCB/MCCDC/MCAGCC

<u>MOS 0623, Tropospheric Scatter Radio Multi-channel Equipment Operator</u> <u>(PMOS)</u>		
SGT	Required Training:	Tropospheric Scatter Radio Multi- Channel Equipment
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: HQ/MAW/Comm Bn SE: None

CPL	Required Training:	Tropospheric Scatter Radio Multi- Channel Equipment Operator Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: HQ/MAW/Comm Bn SE: None

LCPL	Required Training:	Tropospheric Scatter Radio Multi- Channel Equipment Operator Course
	Skill Progression:	
	Skill Enhancement:	Tropospheric Scatter Radio Multi- Channel Equipment Supervisor Course
	MOS Assignment:	OPFOR: HQ/MAW/Comm Bn SE: None

PFC	Required Training:	Tropospheric Scatter Radio Multi- Channel Equipment Operator Course
	Skill Progression:	
	Skill Enhancement:	Tropospheric Scatter Radio Multi- Channel Equipment Supervisor Course
	MOS Assignment:	OPFOR: HQ/MAW/Comm Bn SE: None

PVT	Required Training:	Tropospheric Scatter Radio Multi- Channel Equipment Operator Course
	Skill Progression:	

Figure 3-6.--Communications (continued)

Skill Enhancement: Tropospheric Scatter Radio Multi-
Channel Equipment Supervisor Course
MOS Assignment: **OPFOR:** HQ/MAW/Comm Bn
SE: None

MOS 0627, Satellite Communications Operator (PMOS)

SGT Required Training: Introduction to Satellite
Communications Course

Lightweight Multi-Band Satellite
Terminal Operator Maintainer Course

Phoenix Satellite Terminal Operator/
Maintainer Course

SMART-T Operator/Maintainer Course

Skill Progression:
Skill Enhancement: Radio Supervisors Course
MOS Assignment: **OPFOR:** Comm Bn
SE: USA Signal School

CPL Required Training: Introduction to Satellite
Communications Course

Lightweight Multi-Band Satellite
Terminal Operator Maintainer Course

Phoenix Satellite Terminal Operator/
Maintainer Course

SMART-T Operator/Maintainer Course

Skill Progression:
Skill Enhancement: Radio Supervisors Course
MOS Assignment: **OPFOR:** Comm Bn
SE: USA Signal School

LCPL Required Training: Introduction to Satellite
Communications Course

Lightweight Multi-Band Satellite
Terminal Operator Maintainer Course

Phoenix Satellite Terminal Operator/
Maintainer Course

SMART-T Operator/Maintainer Course

Skill Progression:
Skill Enhancement:
MOS Assignment: **OPFOR:** Comm Bn
SE: USA Signal School

Figure 3-6.--Communications (continued)

MOS 0648, Spectrum Manager (NMOS)

MGYSGT Required Training: Electromagnetic Spectrum Management Course
 Skill Progression:
 Skill Enhancement: Joint Task Force Spectrum Management Course
 MOS Assignment: **OPFOR:** MARFOR MSCs/HQ/HQMC
 SE: Joint/Inst Duty

 MSGT Required Training: Electromagnetic Spectrum Management Course
 Skill Progression:
 Skill Enhancement: Joint Task Force Spectrum Management Course
 MOS Assignment: **OPFOR:** MARFOR MSCs/HQ/HQMC
 SE: Joint/Inst Duty

 GYSGT Required Training: Electromagnetic Spectrum Management Course
 Skill Progression:
 Skill Enhancement: Joint Task Force Spectrum Management Course
 MOS Assignment: **OPFOR:** MARFOR MSCs/HQ/HQMC
 SE: Joint/Inst Duty

 SSGT Required Training: Electromagnetic Spectrum Management Course
 Skill Progression:
 Skill Enhancement: Joint Task Force Spectrum Management Course
 MOS Assignment: **OPFOR:** MARFOR MSCs/HQ/HQMC
 SE: Joint/Inst Duty

MOS 0651, Cyber Network Operator (PMOS)

SGT Required Training: Cyber Network Specialist Course
 Skill Progression:
 Skill Enhancement:
 MOS Assignment: **OPFOR:** Div HQ/MAW/MLG/Comm Bn
 SE: Joint/MCCES/HQMC/MCB

 CPL Required Training: Cyber Network Specialist Course
 Skill Progression:
 Skill Enhancement:
 MOS Assignment: **OPFOR:** Div HQ/MAW/MLG/Comm Bn
 SE: Joint/MCCES/HQMC/MCB

 LCPL Required Training: Cyber Network Specialist Course
 Skill Progression:
 Skill Enhancement:
 MOS Assignment: **OPFOR:** Div HQ/MAW/MLG/Comm Bn
 SE: Joint/MCCES/HQMC/MCB

 PFC Required Training: Cyber Network Specialist Course

Figure 3-6.--Communications (continued)

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MSGT Required Training:
 Skill Progression:
 Skill Enhancement: Joint C4 Planners Course

 Advance Communications Planners Course
MOS Assignment: **OPFOR:** HQ/MAW/MLG/Div
 SE: Joint/HQMC/MCB/MCCES
