

3137. OCCUPATIONAL FIELD 59, AVIATION COMMAND AND CONTROL (C2) ELECTRONICS MAINTENANCE

1. Introduction. The Aviation Command and Control Electronics Maintenance Occupational Field plans, installs, operates, maintains, and repairs electronic equipment organic to the Marine Air Command and Control System (MACCS). The MACCS equipment is ground based and includes various types of communications transmission systems, information technology systems, radar systems, cryptographic devices, meteorological equipment, and miscellaneous non-communication systems. The MACCS equipment facilitates the control of friendly aircraft and surface-to-air weapons for anti-air warfare and provides air surveillance, continuous all-weather radar and non-radar services, airspace management, and weather forecasting in support of the Aviation Combat Element of the Marine Air Ground Task Force. Qualifications to work in this field include manual dexterity, normal color vision, be eligible to hold a secret security clearance, the ability to understand highly technical material, and to comprehend complex mathematical and logic principles. Marines in the 5900 Occupational Field have the opportunity to participate in formal apprenticeship programs leading to a Department of Labor Certificate of Apprenticeship; refer to reference (bs) for specific information concerning the United Services Military Apprenticeship Program (USMAP). Marines entering this occupational field will receive formal courses of instruction in Basic Electronics followed by detailed instruction in data, communication, or radar systems. After completion of formal training, an MOS will be assigned which designates a specific job in the electronics maintenance field. Marines in this field will serve within the Marine Aircraft Wing.

2. MOS 5939, Aviation Communication Systems Technician (MSgt to Pvt) PMOS

a. Summary. Aviation Communication Systems Technicians perform and supervise maintenance of radios and communications systems found within selected units of the Marine Air Control Group. Tasks include installation, operation, performance testing, alignment and troubleshooting of all voice communications equipment, encryption devices, electronic assemblies and subassemblies, fiber optic cables, and system software for radios and telecommunications equipment used within the Marine Air Command and Control Systems (MACCS). They make periodic inspections and perform preventive maintenance; use proper safety procedures in system maintenance and operation; diagnose and isolate malfunction to the fault, remove and replace LRU (line replaceable unit); and verify that the malfunction has been corrected. They maintain diagnostic and operational tools, support, and test equipment; maintain accountability of all parts of communication systems including software, spare parts, and in requisitioning supplies and spare parts; maintain necessary records of maintenance and compile data for reports. The Aviation Communications Systems Managers Course is available for skill enhancement training.

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 a minimum one year of high school algebra.

(5) Must have normal color vision.

c. Requirements

(1) Complete the Basic Electronics Course (M092721).

(2) Complete the Aviation Communications Systems Technician Course (M09E2Z1).

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
M092721	Basic Electronics	Twentynine Palms, CA
M09E2Z1	Aviation Communication Systems Technician	Twentynine Palms, CA

d. Duties. For a complete listing of duties and tasks, refer to (t) Direct Air Support Center (DASC) Training and Readiness Manual.

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

f. Related Military Skill

(1) Radio Chief, 0629.

(2) Ground Radio Repairer, 2841.

(3) Electronics Maintenance Technician, 2862.

(4) ATC Communications Technician, 5954.

(5) Tactical Air Operations/Air Defense Systems Technician, 5979.

3. MOS 5948, Aviation Radar Technician (MSgt to Pvt) PMOS

a. Summary. Aviation Radar Technicians site, install, operate, test, adjust, align, and repair the Marine Air Command Control Systems (MACCS) air defense radar systems, and associated IFF equipment. They make periodic inspections and perform preventive maintenance; use proper safety procedures in system maintenance and operation; diagnose and isolate malfunction to the fault; remove and replace LRU (lowest repairable unit); and verify that the malfunction has been corrected. They maintain diagnostic and operational tools, support, and test equipment; maintain accountability of all parts of the system including software, spare parts, and in requisitioning supplies and spare parts; and maintain necessary records of maintenance and compile data for reports. They prepare and implement inspections and maintenance schedules. They organize and administer facilities for the maintenance and repair of equipment. HQMC APX (59XX OccFld sponsor) is the waiver approval authority.

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 a minimum one year of high school algebra.

(5) Must have normal color vision.

c. Requirements

(1) At the grade of Sergeant complete the Advanced Electronics Course (M09DSK1).

(2) At the grade of Sergeant complete the Aviation Radar Technician Theory Course (M09A851).

(3) At the grade of Sergeant complete the AN/TPS-63B Radar Technician Course (M09A811).

(4) At the grade of Sergeant complete the AN/TPS-59A(V)3 Aviation Radar Technician Course (M09A821).

(5) Complete the Basic Electronics Course (M092721).

(6) Complete the Aviation Radar Fundamentals Course (M0924X1).

(7) Complete the AN/TPS-63B Aviation Radar Repair Course (M09A831).

(8) At the grade of Sergeant complete the AN/TPS-59A(V)3 Aviation Radar Technician Course (M09A821).

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
M092721	Basic Electronics	Twentynine Palms, CA
M0924X1	Aviation Radar Fundamentals	Twentynine Palms, CA
M09A831	AN/TPS-63B Aviation Radar Repair	Twentynine Palms, CA
M09A841	AN/TPS-59A(V)3 Aviation Radar Repair	Twentynine Palms, CA
M09DSK1	Advanced Electronics Course	Twentynine Palms, CA
M09A851	Aviation Radar Technician Theory Course	Twentynine Palms, CA
M09A811	AN/TPS-63B Radar Technician Course	Twentynine Palms, CA
M09A821	AN/TPS-59A(V)3 Radar Technician Course	Twentynine Palms, CA

d. Duties. For a complete listing of duties and tasks, refer to Tactical Air operations Center (TAOC) Training and Readiness Manual.

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

f. Related Military Skill. None.

4. MOS 5951, Aviation Meteorological Equipment Technician, OMA/IMA (GySgt to Pvt) PMOS

a. Summary. Aviation Meteorological Equipment Maintenance Technicians survey, site, and install air traffic control meteorological equipment. Make periodic inspections and perform preventive maintenance. Tune, adjust, and align systems for proper operation. Use proper safety procedures in system maintenance and operation. Diagnose and isolate malfunction to the fault, remove and replace the fault, and verify that the malfunction has been corrected. Participate in and provide technical assistance during system flight inspections. Maintain tools, support, and test equipment. Assist in maintaining the maintenance technical library. Assist in maintaining accountability of all parts of the system, including spare parts, and in requisitioning supplies and spare parts. They process and pack system components for storage or shipment. Train subordinates or less qualified personnel. Maintain necessary records of maintenance and compile data for reports. Assist ATC Maintenance Personnel in MOS 5952, 5953, and 5954. Must possess a working knowledge of all Navy sponsored aviation maintenance programs and processes governed by reference (ad).

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 Marine Avionics ATT course (N23KJ22) at NAS Pensacola, FL.
- (2) Complete the Aviation Warfare Apprentice Training (AWAT) course (N23E2X2) at NAS Pensacola, FL.
- (3) Complete the Avionics Technician I Level Class A1 (N23A952) at NAS Pensacola, FL.
- (4) Complete the Meteorological Equipment Maintenance (METEM) Technician course (N2358Y2) at NAS Pensacola, FL.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A952	Avionics Technician I Level Class A1	Pensacola, FL
N23XSET	Marine Air Traffic Control Technician Common Core	

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N2358Y2	AN/TMQ-56 Maintenance	Pensacola, FL

d. Duties. For a complete listing of duties and tasks, refer to reference (bu), Meteorological Electrician Maintenance (METEM) Training and Readiness Manual.

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

f. Related Military Skill. None.

5. MOS 5952, Air Traffic Control Navigational Aids Technician (GySgt to Pvt) PMOS

a. Summary. Air Traffic Control Navigational Aids Technicians survey, site, and install air traffic control navigational aids and instrument landing systems. Make periodic inspections and perform preventive maintenance. Tune, adjust, and align systems for proper operation. Use proper safety procedures in system maintenance and operation. Diagnose and isolate malfunction to the fault, remove and replace the fault, and verify that the malfunction has been corrected. Participate in and provide technical assistance during system flight inspections. Maintain tools, support, and test equipment. Assist in maintaining the maintenance technical library. Assist in maintaining accountability of all parts of the system, including spare parts, and in requisitioning supplies and spare parts. They process and pack system components for storage or shipment. Train subordinates or less qualified personnel. Maintain necessary records of maintenance and compile data for reports. Assist Air Traffic Control Maintenance Personnel in MOS 5951, 5953, and 5954. Must possess a detailed working knowledge of all Navy sponsored aviation maintenance programs and processes governed by reference (ad).

b. Prerequisites

- (1) Must possess an EL score of 110 or higher.
- (2) Security requirement: Secret security clearance eligibility.
- (3) Must possess normal color perception.

c. Requirements. Complete the Marine Air Traffic Control Navigational Aids Technician Pipeline Course (N235972), NAS Pensacola, FL.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A952	Avionics Technician I Level Class A1	Pensacola, FL
N235972	Marine Air Traffic Control Navigational Aids Technician Pipeline	Pensacola, FL

d. Duties. For a complete listing of duties and tasks, refer to reference (ck) Air Traffic Control Maintenance (ATC) 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.

6. MOS 5953, Air Traffic Control Radar Technician (GySgt to Pvt) PMOS

a. Summary. Air Traffic Control Radar Technicians survey, site, and install air traffic control precision approach and surveillance radar systems. Make periodic inspections and perform preventive maintenance. Load operational software, tune, adjust, and align systems for proper operation. Use proper safety procedures in system maintenance and operation. Diagnose and isolate malfunction to the fault, remove and replace the fault; and verify that the malfunction has been corrected. Participate in and provide technical assistance during system flight inspections. Maintain diagnostic and operational tapes, tools, support, and test equipment. Assist in maintaining the maintenance technical library. Assist in maintaining accountability of all parts of the system including software, spare parts, and in requisitioning supplies and spare parts. Process and pack system components for storage or shipment. Train subordinates or less qualified personnel. Maintain necessary records of maintenance and compile data for reports. Assist Air Traffic Control Maintenance Personnel in MOS 5951, 5952 and 5954. Must possess a detailed, working knowledge of all Navy sponsored aviation maintenance programs and processes governed by reference (ad).

b. Prerequisites

- (1) Must possess an EL score of 110 or higher.
- (2) Security requirement: Secret security clearance eligibility.
- (3) Must possess normal color perception.

c. Requirements

(1) Complete the Marine Air Traffic Control Radar Technician Pipeline Course, Class C, NAS Pensacola, FL.

(2) Gunnery Sergeant through Sergeant must complete the Marine Air Traffic Control Work Center Supervisors Course and Marine Air Traffic Control Maintenance Managers Course at NAS Pensacola, FL.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A952	Avionics Technician I Level Class A1	Pensacola, FL
N2359L2	Marine Air Traffic Control Radar Technician Pipeline	Pensacola, FL

d. Duties. For a complete listing of duties and tasks, refer to reference (ck) Air Traffic Control Maintenance (ATC) 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.

7. MOS 5954, Air Traffic Control Communications Technician (GySgt to Pvt)
PMOS

a. Summary. Air Traffic Control Communications Technicians survey, site, and install air traffic control communications systems. They inspect and perform preventive maintenance for proper operation, and diagnose and repair faults. They provide technical assistance during system flight inspections; maintain tools, support, and test equipment; process and pack system components for storage or shipment; train subordinates or less qualified personnel; conduct maintenance management; and assist Air Traffic Control Maintenance Personnel in MOS 5951, 5952 and 5954. Must possess a detailed, working knowledge of all Navy sponsored aviation maintenance programs and processes governed by reference (ad).

b. Prerequisites

- (1) Must possess an EL score of 110 or higher.
- (2) Security requirement: Secret security clearance eligibility.
- (3) Must possess normal color perception.

c. Requirements. Complete the Marine Air Traffic Control Communications Technician Pipeline Course, Class C, NAS Pensacola, FL.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A952	Avionics Technician I Level Class A1	Pensacola, FL
N2359M2	Marine Air Traffic Control Communications Technician Pipeline	Pensacola, FL

d. Duties. For a complete listing of duties and tasks, refer to reference (ck) Air Traffic Control Maintenance (ATC) 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.

8. MOS 5959, Air Traffic Control Systems Maintenance Chief (MGySgt and MSgt)
PMOS

a. Summary. Air Traffic Control Systems Maintenance Chiefs supervise, coordinate, and instruct enlisted personnel in the performance of air traffic control maintenance functions. Provide information concerning the capabilities, limitations, and reliability of air traffic control systems and equipment. Instruct operation and maintenance of air traffic control

systems. Perform staff support duties in formulating and implementing maintenance and supply plans, provisioning air traffic control systems, and preparing publications and training materials. Supervises surveying, siting, installation, modification, and maintenance tasks. Supervise Air Traffic Control Maintenance Personnel in MOSs 5951, 5952, 5953, and 5954. Must possess a detailed, working knowledge of all Navy sponsored aviation maintenance programs and processes governed by reference (ad).

b. Prerequisites. Must have previously held MOS 5951, 5952, 5953, or MOS 5954.

c. Requirements. See prerequisite.

d. Duties

(1) MGySgt and MSgt:

(a) Supervises personnel in the performance of air traffic control maintenance functions.

(b) Inspects and schedules maintenance for air traffic control maintenance personnel.

(c) Instructs personnel in operation and maintenance of air traffic control systems and equipment.

(d) Supervises and assists maintenance personnel in requisitioning parts and supplies from the Navy supply system.

(e) Supervises surveying, siting, installation, or maintenance tasks on air traffic control systems.

(f) Ensures system/equipment performance evaluation and qualification, problem identification, and to measure improvement efforts.

(2) MGySgt:

(a) Provides staff support in planning and implementing the maintenance management of air traffic control systems and equipment.

(b) Assists the maintenance officer in the determination of air traffic control maintenance policy and the inventory management program of air traffic control systems.

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

f. Related Military Skill. Electronics Maintenance Chief, 5993.

9. MOS 5974, Tactical Data Systems Technician (MSgt to Pvt) PMOS

a. Summary. Tactical Data Systems Technicians plan and perform operational management and maintenance on the Marine Air Command and Control Systems (MACCS) Tactical Data Systems, and common hardware/software suites. They are responsible for the installation, configuring, management, system administration, and maintenance of all MACCS Tactical Data Systems, hardware and software. They make periodic inspections and perform preventive

maintenance. They use proper safety procedures in system maintenance and operations; diagnose and isolate malfunction to the fault; remove and replace LRU (lowest replaceable unit), if hardware, perform corrective measures of software; and verify that the malfunction has been corrected. They maintain diagnostic and operational tools, support, and test equipment; assist in maintaining accountability of all parts of the system including software, spare parts, and in requisitioning supplies and spare parts. They maintain necessary records of maintenance and compile data for necessary records of maintenance and compile data for reports. The Tactical Data System Administrator Managers Course is available for skill enhancement training.

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 a minimum one year of high school algebra.
- (5) Must have normal color vision.

c. Requirements

- (1) Complete the Tactical Data Systems Administrators Course (M09DZC1), Marine Corps Communications and Electronics School, 29 Palms, CA.
- (2) Complete the Basic Electronics Course (M092721).

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
M092721	Basic Electronics	Twentynine Palms, CA
M09DZC1	Tactical Data Systems Administrator	Twentynine Palms, CA

d. Duties. For a complete list of duties and tasks, refer to reference (bm), Tactical Air Command Center (TACC) Maintenance 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. Cyber Network Operator, 0651.

10. MOS 5979, Tactical Air Operations/Air Defense Systems Technician (MSgt to Pvt) PMOS

a. Summary. Tactical Air Operations/Air Defense Systems Technicians perform and supervise installation, alignment, inspection, testing, maintenance and repair of electronic assemblies and subassemblies, fiber optic cables, and system software of all tactical air operations and air

defense systems within the Marine Air Command and Control Systems (MACCS). They make periodic inspections and perform preventive maintenance; use proper safety procedures in systems maintenance and operation; diagnose and isolate malfunctions to the fault; remove and replace LRU (lowest replaceable unit) if hardware, and perform corrective measures of software and verify that the malfunction has been corrected. They maintain diagnostic and operational tools, support and test equipment; assist in maintaining accountability of all parts of the system including software, spare parts, and in requisitioning supplies and spare parts, maintain necessary records of maintenance and compile data for reports. The Air Defense System Managers Course is available for skill enhancement training.

b. Prerequisites

- (1) Must possess an EL score of 115 or higher.
- (2) Security requirement: Secret security clearance eligibility.
- (3) Must have a minimum one year of high school algebra.
- (4) Must have normal color vision.
- (5) Must be a U.S. Citizen.

c. Requirements

- (1) Complete the Basic Electronics Course (M092721).
- (2) Complete the Air Defense Systems Technician Course (M09KAS1).

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
M092721	Basic Electronics	Twentynine Palms, CA
M09KAS1	Air Defense Systems Technician	Twentynine Palms, CA

d. Duties. For a complete list of duties and tasks, refer to reference (o), Tactical Air Operations Center (TAOC) 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

- (1) Ground Radio Repairer, 2841.
- (2) Electronics Maintenance Technician, 2862.

11. MOS 5993, Electronics Maintenance Chief (Aviation (C2)) (MGySgt) PMOS

a. Summary. Electronics Maintenance Chiefs (Aviation (C2)) supervise, coordinate, and instruct enlisted personnel in the performance of Marine Air Command and Control Systems (MACCS) and maintenance functions. Provide

information concerning the capabilities, limitations, and reliability of MACCS and other equipment. Instruct operation and maintenance of the MACCS. Perform staff support duties in formulating and implementing maintenance and supply plans, provisioning the MACCS, and preparing publications and training materials.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must have previously held 5939, 5948, 5974, or 5979.
- (3) Must possess an EL score of 115 or higher.
- (4) Security requirement: Secret security clearance eligibility.
- (5) Must possess knowledge of procedure directives and regulations applicable to all functional areas of electronics maintenance.

c. Requirements. See prerequisites.

d. Duties

(1) Provides authoritative staff support in planning and implementing the maintenance of a wide range of equipment.

(2) Supports operational planning by providing commanders with the capabilities, limitations, logistics and maintenance requirements of MACCS specific equipment.

(3) Assists in the determination of electronic maintenance policy and the inventory management program of an electronic maintenance activity unit or organization.

(4) Performs staff support duties in formulating and implementing maintenance and supply plans, provisioning electronic items, preparing publications and training materials, and performing difficult or exacting installation, modification, and maintenance tasks.

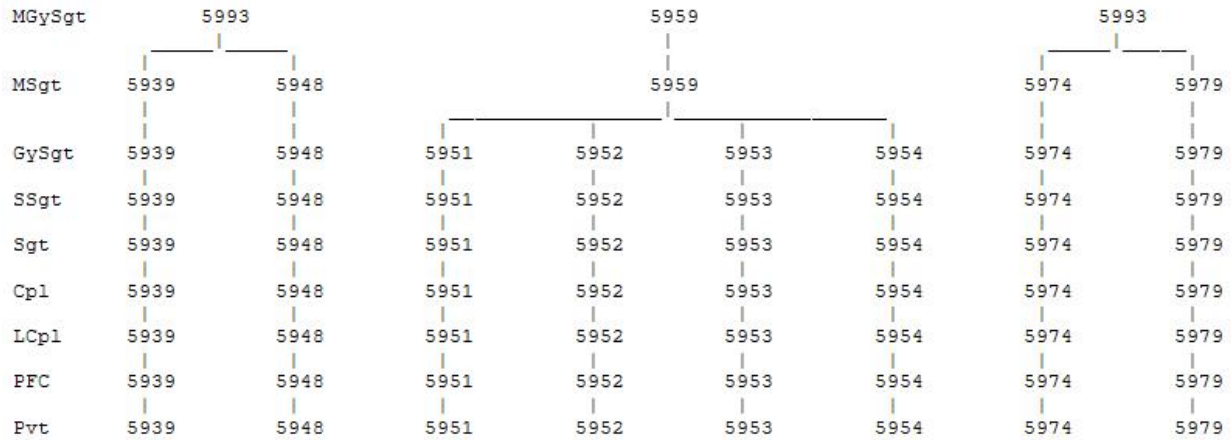
(5) Coordinates maintenance activities of enlisted personnel engaged in radar, radio, and/or tactical data systems.

(6) Instructs in the theory and maintenance of electronic equipment.

(7) Inspects maintenance functional areas.

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

f. Related Military Skill. Air Traffic Control Systems Maintenance Chief, 5959.



MOS	Title
5939	Aviation Communication Systems Technician (PMOS)
5948	Aviation Radar Technician (PMOS)
5951	Aviation Meteorological Equipment Technician, OMA/IMA (PMOS)
5952	Air Traffic Control Navigational Aids Technician (PMOS)
5953	Air Traffic Control Radar Technician (PMOS)
5954	Air Traffic Control Communications Technician (PMOS)
5959	Air Traffic Control Systems Maintenance Chief (PMOS)
5974	Tactical Data Systems Technician (PMOS)
5979	Tactical Air Operations/Air Defense Systems Technician (PMOS)
5993	Electronics Maintenance Chief (Aviation (C2) (PMOS)

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

MOS 5939, Aviation Communication Systems Technician (PMOS)

MSGT	Required Training: Skill Progression: Electronic Maintenance Supervisors Course Skill Enhancement: MOS Assignment: OPFOR: MACS/MASS/MTACS SE: MCCES/MCTSSA

GYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment: OPFOR: MACS/MASS/MTACS SE: MCCES/TECOM

SSGT	Required Training: Skill Progression: Skill Enhancement: Link 16 Joint Interoperability Course (JTIDS) Multi-Tadil Advanced Joint Interoperability Course Mountain Command and Control Communications Course MOS Assignment: OPFOR: MACS/MASS/MTACS SE: MARCORSYSCOM/MCCES

SGT	Required Training: Skill Progression: Skill Enhancement: Aviation Communication System Managers Course M24CXJ1 Mountain Command and Control Communications Course MOS Assignment: OPFOR: MACS/MASS/MTACS SE: MCCES/MCTSSA

CPL	Required Training: Skill Progression: Skill Enhancement: Microminiature/Automated Test Equipment Repair JKO J7S-JT100 Link 16 Basics Course JKO US109 Link 16 Joint Interoperability Course M24CXJ1 Mountain Command and Control Communications Course MOS Assignment: OPFOR: MACS/MASS/MTACS SE: MCCES/MCTSSA

LCPL	Required Training: Aviation Communication Systems Technician Course Basic Electronics Course

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

	Skill Progression:	
	Skill Enhancement:	JKO J7S-JT100 Link 16 Basics Course
		JKO US109 Link 16 Joint Interoperability Course
		M24CXJ1 Mountain Command and Control Communications Course
	MOS Assignment:	OPFOR: MACS/MASS/MTACS SE: MCCES

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

PVT	Required Training:	Aviation Communication Systems Technician Course
		Basic Electronics Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS/MASS/MTACS SE: MCCES

<u>MOS 5948, Aviation Radar Technician (PMOS)</u>		
MSGT	Required Training:	
	Skill Progression:	Electronic Maintenance Supervisors Course
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MARCORSYSCOM/MCCES

GYSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACSMACS/MASS/MTACS SE: MCCES/TECOM

SSGT	Required Training:	Advanced Electronics Course
		Aviation Radar Technician Theory
		AN/TPS-63B Aviation Radar Technician
		AN/TPS-59A(V)3 Aviation Radar Technician
	Skill Progression:	
	Skill Enhancement:	

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

	MOS Assignment:	OPFOR: MACS/MASS/MTACS SE: MARCORSYSCOM/MCCES

SGT	Required Training:	Advanced Electronics Aviation Radar Technician Theory AN/TPS-63B Aviation Radar Technician AN/TPS-59A(V)3 Aviation Radar Technician
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS/MASS/MTACS SE: MCCES/MCTSSA

CPL	Required Training:	Basic Electronics Aviation Radar Fundamentals AN/TPS-63B Aviation Radar Repair AN/TPS-59A(V)3 Aviation Radar Repair
	Skill Progression:	
	Skill Enhancement:	JKO J7S-JT100 LINK 16 Basics Course
	MOS Assignment:	OPFOR: MACS/MASS/MTACS SE: MCCES/MCTSSA

LCPL	Required Training:	Basic Electronics Aviation Radar Fundamentals AN/TPS-63B Aviation Radar Repair AN/TPS-59A(V)3 Aviation Radar Repair
	Skill Progression:	
	Skill Enhancement:	JKO US109 LINK 16 Joint Interoperability Course JKO J7S-JT100 Link 16 Basics Course
	MOS Assignment:	OPFOR: MACS/MASS/MTACS SE: MCCES

PFC	Required Training:	Basic Electronics Aviation Radar Fundamentals AN/TPS-63B Aviation Radar Repair AN/TPS-59A(V)3 Aviation Radar Repair
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS/MASS/MTACS SE: MCCES

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

MOS Assignment: **OPFOR:** Intel Bn/MACS
SE: Air Stations/NAS Pensacola

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

GYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	MATC Maintenance Managers Course OPFOR: MACS SE: MACS (R)/MCAS/NAS Pensacola
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SSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Link 16 Joint Interoperability Course (A36L391 or A36L39M) Multi-TDL ADV Joint Interoperability Course (A36L6Z1 or A35L6ZM) OPFOR: MACS SE: Air Stations/NAS Pensacola
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SGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	MATC Work Center Supervisor Course OPFOR: MACS SE: Air Stations/NAS Pensacola
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CPL	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	JKO J7S-JT100 Link 16 Basics Course JT-101 Introduction to Multi-TDL Network Operations OPFOR: MACS SE: Air Stations/NAS Pensacola
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LCPL	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Marine Air Traffic Control Navigational Aids Technician Course JKO J7S-JT100 Link 16 Basics Course JKO US109 Link 16 Joint Interoperability Course OPFOR: MACS SE: Air Stations/NAS Pensacola
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PFC	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Marine Air Traffic Control Navigational Aids Technician Pipeline Course (N235972) OPFOR: MACS SE: Air Stations/NAS Pensacola
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Figure 3-29.--Aviation Command and Control (C2) Electronics Maintenance
(continued)

	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: Air Stations/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:

SSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	Link 16 Joint Interoperability Course (JTIDS)
		Multi-Tadil Advanced Joint Interoperability Course (MAJIC)
	MOS Assignment:	OPFOR: MACSMACS SE: Air Stations/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:	JKO J7S-JT100 Link 16 Basics Course
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS NAS Pensacola/MCAGCC

LCPL	Required Training:	Marine Air Traffic Control Communications Technician Course
	Skill Progression:	
	Skill Enhancement:	JKO J7S-JT100 Link 16 Basics Course
		JKO US109 Link 16 Joint Interoperability Course
	MOS Assignment:	OPFOR: MACS SE: MACS (R)/MCAS NAS Pensacola/MCAGCC

PFC	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

PVT Required Training: Marine Air Traffic Control
Communications Technician Course

Skill Progression:
Skill Enhancement: SharePoint Operator Course Level 1
(M03KDLE)

SharePoint Basic Site Owner Course
(M02KDPK)

SharePoint Document Library Owner
Course (M02KDMK)

SharePoint Advanced Site Owner
(M02kdnk)

Network + Certification (M10KZ7B)

MOS Assignment: **OPFOR:** MACS
SE: Air Stations/NAS Pensacola.

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

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

MSGT Required Training:
Skill Progression:
Skill Enhancement: MATC Maintenance Managers Course
MOS Assignment: **OPFOR:** MACS
SE: NAS Pensacola/NAS Patuxent River

MOS 5974, Tactical Data Systems Technician PMOS

MSGT Required Training:
Skill Progression: Electronic Maintenance Supervisors
Course

Skill Enhancement:
MOS Assignment: **OPFOR:** MTACS
SE: MARCORSYSCOM/MCCES

GYSGT Required Training:
Skill Progression:

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

	Skill Enhancement:	Link 16 Joint Interoperability Course (A36L391 or A36L39M)
		Multi-TDL ADV Joint Interoperability Course (A36L6Z1 or A35L6ZM)
	MOS Assignment:	OPFOR: MTACS SE: MCTSSA/MCCES

SSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	Link 16 Joint Interoperability Course (A36L391 or A36L39M)
		Multi-TDL ADV Joint Interoperability Course (A36L6Z1 or A35L6ZM)
	MOS Assignment:	OPFOR: MTACS/MACS/MASS SE: MCTSSA/MCCES

SGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	Link 16 Joint Interoperability Course (A36L391 or A36L39M)
		Air and Space Operations Center Systems Administrator Initial Qualification Training Course (AOCIQTSYS)
		Air and Space Operations Center Network Administration Initial Qualification Training Course (AOCIQTNET)
		Multi-TDL ADV Joint Interoperability Course (A36L6Z1 or A35L6ZM)
	MOS Assignment:	OPFOR: MTACS/MACS/MASS SE: MCTSSA/MCCES

CPL	Required Training:	
	Skill Progression:	

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

	Skill Enhancement:	Link 16 Joint Interoperability Course (A36L391 or A36L39M)
		Multi-TDL ADV Joint Interoperability Course (A36L6Z1 or A35L6ZM)
		JKO J7S-JT100 Link 16 Basics Course
		JT-101 Introduction to Multi-TDL Network Operations
		JT -102 Multi-TDL Advanced Joint Interoperability Course (MAJIC)
		JT -220 Link Unit Managers (LUM) Course
		Air and Space Operations Center Systems Administrator Initial Qualification Training Course (AOCIQTSYS)
		Air and Space Operations Center Network Administration Initial Qualification Training Course (AOCIQTNET)
	MOS Assignment:	OPFOR: MTACS/MACS/MASS SE: MCTSSA/MCCES

LCPL	Required Training:	Basic Electronics Course (M092721)
		Tactical Data Systems Administrators Course (M09DZC1)
	Skill Progression:	
	Skill Enhancement:	JKO J7S-JT100 Link 16 Basics Course
		JKO US109 Link 16 Joint Interoperability Course
		JT-101 Introduction to Multi-TDL Network Operations
		Air and Space Operations Center Systems Administrator Initial Qualification Training Course (AOCIQTSYS)
	MOS Assignment:	OPFOR: MTACS/MACS/MASS SE: MCTSSA/MCCES

PFC	Required Training:	Basic Electronics Course (M092721)
		Tactical Data Systems Administrators Course (M09DZC1)
	Skill Progression:	
	Skill Enhancement:	

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

	MOS Assignment:	OPFOR: MTACS/MACS/MASS SE: MCTSSA/MCCES

PVT	Required Training:	Basic Electronics Course (M092721)
		Tactical Data Systems Administrators Course (M09DZC1)
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MTACS/MACS/MASS SE: MCTSSA/MCCES

<u>MOS 5979, Tactical Air Operations/Air Defense Systems Technician (PMOS)</u>		
MSGT	Required Training:	
	Skill Progression:	Electronic Maintenance Supervisors Course
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MARCORSYSCOM/MCCES

GYSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	OPFOR: MACS SE: MCTSSA/MCCES

SSGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	Link 16 Joint Interoperability Course (A36L391 or A36L39M)
		Multi-TDL ADV Joint Interoperability Course (A36L6Z1 or A35L6ZM)
	MOS Assignment:	OPFOR: MACS SE: MCCES.

SGT	Required Training:	
	Skill Progression:	
	Skill Enhancement:	Joint Tactical Information Distribution System (JTIDS)
		Tactical Data Systems Administrators Course (M09DZC1)
	MOS Assignment:	OPFOR: MACS SE: MARCORSYSCOM/MCCES/MCTSSA

CPL	Required Training:	
	Skill Progression:	

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

	Skill Enhancement:	Microminiature/Automated Test Equipment Repair
		JKO J7S-JT100 Link 16 Basics Course
		JT-101 Introduction to Multi-TDL Network Operations
		JT -102 Multi-TDL Advanced Joint Interoperability Course (MAJIC)
		JT -220 Link Unit Managers (LUM) Course
	MOS Assignment:	OPFOR: MACS SE: MCCES/MCTSSA

LCPL	Required Training:	Tactical Air Operations Module Repairer Course
	Skill Progression:	
	Skill Enhancement:	JKO J7S-JT100 Link 16 Basics Course
		JKO US109 Link 16 Joint Interoperability Course
		JT-101 Introduction to Multi-TDL Network Operations
	MOS Assignment:	OPFOR: MACS SE: MCCES/MCTSSA

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

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

<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)