

3142. OCCUPATIONAL FIELD 64, INTERMEDIATE 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 6400, 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 6423, Aviation Electronic Micro/Miniature Component and Cable Repair Technician, IMA (GySgt 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 (N23A972), at NATTC NAS Pensacola, FL.

(2) Complete the Miniature Electronics Repair Course, IMA at CNATT Det San Diego, CA (N016241) or Fleet Training Center, Norfolk, VA (N026241) or NAMTRAGRU Det NS Mayport, FL (N076244).

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A972	Aviation Electricians Mate Strand Class A1	Pensacola, FL
N016241	Miniature Electronics Repair	San Diego, CA

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A972	Aviation Electricians Mate Strand Class A1	Pensacola, FL
N026241	Miniature Electronics Repair	Norfolk, VA
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A972	Aviation Electricians Mate Strand Class A1	Pensacola, FL
N076244	Miniature Electronics Repair	Mayport, FL

d. Duties. For a complete listing of duties and tasks, refer to reference (bn), 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, IMA (GySgt to Pvt) PMOS

a. Summary. Aircraft Electrical/Instrument/Flight Control Systems Technicians, 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 Electricians Mate Course Strand Class A1 (N23A972), at NATTC NAS Pensacola, FL.

(2) Complete the Rotary Wing Avionics Maintenance System IMA (M23A9X1), IMA at Camp Pendleton, CA.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A972	Aviation Electricians Mate Strand Class A1	Pensacola, FL
M23A9X1	Rotary Wing Avionics MAINT SYS IMA	Camp Pendleton, CA

d. Duties. For a complete listing of duties and tasks, refer to reference (bn), 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 6469, Reconfigurable Transportable Consolidated Automated Support System (RTCASS) Technician, IMA (GySgt to Pvt) PMOS

a. Summary. Reconfigurable Transportable Consolidated Automated Support System (RTCASS) Technicians, at the IMA, inspect, test, maintain, repair, and analyze airborne weapon replaceable assemblies, shop replaceable assemblies, automatic test equipment, and ancillary equipment failures, beyond normal fault isolation procedures.

b. 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 (N23A952), at NATTC, Pensacola, FL.

(2) Complete the USMC CASS High Power Configuration Operator/Maintainer Technician (N25A725 for NAS Oceana, or M17A728 for MIRAMAR) at CNATT MIRAMAR, CA or CNATT Unit NAS Oceana, VA.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A952	Avionics Technician I Level Class A1	Pensacola, FL
M17A728	USMC Cass High Power Configuration Operator/ Maintainer/Technician	San Diego, CA
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A952	Avionics Technician I Level Class A1	Pensacola, FL
N25A725	USMC Cass High Power Configuration Operator/ Maintainer/Technician	Virginia Beach, VA

d. Duties. For a complete listing of duties and tasks, refer to reference (bn), 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. None.

5. MOS 6483, Communication/Navigation/Cryptographic/Countermeasures Systems Technician, IMA (GySgt to Pvt) PMOS

a. Summary. Aircraft Electronic Communication/Navigation/Cryptographic/Countermeasures System Technicians, at the IMA inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable assemblies and ancillary equipment whose aggregate constitutes a complete Aircraft Communications, Navigation, Cryptographic, Countermeasures System or subsystem 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 (N23A952), at NATTC, Pensacola, FL.

(2) Complete the Aircraft Communication/Navigation/Cryptographic/Countermeasures Course (M04A286) at CNATT Mar Unit Cherry Point, NC.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A952	Avionics Technician I Level Class A1	Pensacola, FL
M04A286	HELO Deceptive Electronic Countermeasures Intermediate Maintenance	Cherry Point, NC

d. Duties. For a complete listing of duties and tasks, refer to reference (bn), 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.

6. 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 (N23A952), NATTC, NAS Pensacola, FL.

(2) Complete the Aviation Basic Calibration Technician Pipeline Course (N61A621) at CNATT Unit Keesler, AFB, Biloxi, MS.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A952	Avionics Technician I Level Class A1	Pensacola, FL
N61A621	Aviation Basic Calibration Technician Pipeline	Biloxi, MS

d. Duties. For a complete listing of duties and tasks, refer to reference (bn), 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.

7. 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 Electricians Mate Course Strand Class A1 (N23A972) NATTC, NAS Pensacola, FL.

(2) Complete the Mobile Maintenance Facilities Program Course (N28T5U7 for CNATT Unit North Island, or N37T5U2 for CNATT Unit Jacksonville) at CNATT, NAS North Island, CA or CNATT, NAS Jacksonville, FL.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A972	Aviation Electricians Mate Strand Class A1	Pensacola, FL
N28T5U7	Mobile Maintenance Facilities Program	San Diego, CA
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A972	Aviation Electricians Mate Strand Class A1	Pensacola, FL
N37T5U2	Mobile Maintenance Facilities Program	Jacksonville, FL

d. Duties. For a complete listing of duties and tasks, refer to reference (bn), 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. Aircraft Maintenance SE Electrician/Refrigeration Mechanic, 6073.

GySgt	6423	6432	6469	6483	6492	6499
SSgt	6423	6432	6469	6483	6492	6499
Sgt	6423	6432	6469	6483	6492	6499
Cpl	6423	6432	6469	6483	6492	6499
LCpl	6423	6432	6469	6483	6492	6499
FFC	6423	6432	6469	6483	6492	6499
Pvt	6423	6432	6469	6483	6492	6499

MOS	Title
6423	Aviation Electronic Micro/Miniature Component and Cable Repair Technician, IMA (PMOS)
6432	Aircraft Electrical/Instrument/Flight Control Systems Technician, IMA (PMOS)
6469	Reconfigurable Transportable Consolidated Automated Support System (RTCASS) Technician, IMA (PMOS)
6483	Communication/Navigation/Cryptographic/Countermeasures Systems Technician, IMA (PMOS)
6492	Aviation Precision Measurement Equipment (PME) Calibration/Repair Technician, IMA (PMOS)
6499	Mobile Facility Technician (PMOS)

Figure 3-33.--Intermediate Avionics Maintenance