

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 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 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.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A962	Avionics Technician O Level Class A1	Pensacola, FL
N2694B2	EA-6B ICAP 2/Block 86 COMM/NAV/RADAR/ECM Systems (Initial) Organizational Maintenance	Oak Harbor, WA

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

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

a. Summary. Avionics/Maintenance Technician, Unmanned Aircraft System (UAS) install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment. These Marines also perform launch, recovery, and other flight line operations at the organizational maintenance 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 Course (N23A962), at NATTC NAS Pensacola, FL.

(2) Complete the Unmanned Aircraft System Repairer (A12VAR1), Ft Huachuca, AZ.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A962	Avionics Technician O Level Class A1	Pensacola, FL
A12VAR1	Unmanned Aircraft System Repairer	Ft Huachuca, AZ

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

4. 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-130J Communication/Navigation Technician Initial Accession (F1560G2) at Little Rock Air Force Base, Little Rock, AR.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A962	Avionics Technician O Level Class A1	Pensacola, FL
F1560G2	KC-130J Communication/Navigation Technician Initial Accession	Little Rock, AR

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

5. 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 NAS Oceana, VA.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A962	Avionics Technician O Level Class A1	Pensacola, FL
N25AK25	Pipeline F/A-18 Avionics Systems (Initial) Organizational Maintenance	Virginia Beach, VA

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

6. 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, a 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 (bn), 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.

7. 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. Complete the CH-53E Communication/Electrical System Organizational Maintenance Course (M05A2M1) at CNATT Mar Unit New River, NC.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A972	Aviation Electricians Mate Strand Class A1	Pensacola, FL
M05A2M1	CH-53E Communications/Electrical System Organizational Maintenance	Jacksonville, NC

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

8. 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. Complete the H-1 Avionics Systems Organizational Maintenance (M2368U1) at CNATT Mar Unit Camp Pendleton, CA.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A962	Avionics Technician O Level Class A1	Pensacola, FL
M2368U1	H-1 Avionics Systems Organizational Maintenance	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 6324.

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

f. Related Military Skill. None.

9. 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. Complete the V-22 Avionics (Osprey) Course (M0568J1) at CNATT Mar Unit New River, NC.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A972	Aviation Electricians Mate Strand Class A1	Pensacola, FL
M0568J1	V-22 Avionics (OSPREY)	Jacksonville, NC
M0568P1	V-22 Avionics Transition (OSPREY) Pipeline	Jacksonville, NC
M0568P1	V-22 Avionics Transition (OSPREY) Pipeline	Jacksonville, NC

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

10. MOS 6332, Aircraft Avionics Technician, AV-8B (GySgt to Pvt) PMOS

a. Summary. Aircraft Avionics 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 Avionics Technician O Level Class A1 (N23A962), at NATTC NAS Pensacola, FL.

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

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A962	Avionics Technician O Level Class A1	Pensacola, FL
M04A9J6	AV-8B Avionics System Technician Organizational 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 6332.

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

f. Related Military Skill. None.

11. 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.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A972	Aviation Electricians Mate Strand Class A1	Pensacola, FL
N2692E2	EA-6B Initial Electrical And Instrument Systems Organizational Maintenance	Oak Harbor, WA

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

12. 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 Electrical Technician Initial Accession (F1560F2) at Little Rock Air Force Base, Little Rock, AR.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A972	Aviation Electricians Mate Strand Class A1	Pensacola, FL
F1560F2	Electrical Technician Initial Accession	Little Rock, AR



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

13. 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 NAS Oceana, VA.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A972	Aviation Electricians Mate Strand Class A1	Pensacola, FL
N25A2W5	F/A-18 Electrical/Instrument Systems (Initial) Organizational Maintenance	Virginia Beach, VA

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

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

a. Summary. Aircraft Avionics Technicians, 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.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A972	Aviation Electricians Mate Strand Class A1	Pensacola, FL
N23A7T2	F-35 Aviation Electrician's Mate Strand	Pensacola, FL
N56A392	F-35B Aircraft Avionics Systems Technician	

d. Duties. For a complete listing of duties and tasks, refer to reference (bn), Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6338.

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

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

15. 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.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
N23KJ22	Marine Avionics ATT	Pensacola, FL
N23A962	Avionics Technician O Level Class A1	Pensacola, FL
N26EA62	EA-6B USMC Avionics Electronic Countermeasures	Oak Harbor, WA

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

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

a. Summary. Avionics Chiefs, as Noncommissioned Officers in charge of the avionics department supervise the maintenance and repair of Aircraft Avionics Systems, equipment and components at the IMA/OMA levels. The MAL5 MGySgt Avionics Chief serves as the OccFld Sponsor for the 63/6400 MOS within the MAG and manage the squadron's level III EKMS accounts.

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 department.

(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.

	6391													
MGySgt	6391													
MSgt	6391													
GySgt	6313	6333	6336	6337	6338	6386	6314	6316	6317	6322	6323	6324	6326	6332
SSgt	6313	6333	6336	6337	6338	6386	6314	6316	6317	6322	6323	6324	6326	6332
Sgt	6313	6333	6336	6337	6338	6386	6314	6316	6317	6322	6323	6324	6326	6332
Cpl	6313	6333	6336	6337	6338	6386	6314	6316	6317	6322	6323	6324	6326	6332
LCpl	6313	6333	6336	6337	6338	6386	6314	6316	6317	6322	6323	6324	6326	6332
PFC	6313	6333	6336	6337	6338	6386	6314	6316	6317	6322	6323	6324	6326	6332
Pvt	6313	6333	6336	6337	6338	6386	6314	6316	6317	6322	6323	6324	6326	6332
MOS	Title													
6313	Aircraft Communications/Navigation/Radar Systems Technician, EA-6 (PMOS)													
6314	Avionics/Maintenance Technician, Unmanned Aircraft System (UAS) (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 Avionics Technician, AV-8B (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-35B (PMOS)													
6386	Aircraft Electronic Countermeasures Systems Technician, EA-6B (PMOS)													
6391	Avionics Chief (PMOS)													

Figure 3-32.--Organizational Avionics Maintenance