

3114. OCCUPATIONAL FIELD 08, FIELD ARTILLERY

1. Introduction. The Field Artillery OccFld is divided among three functional areas: firing battery, field artillery operations, and field artillery observation/liaison. Qualifications include ability and learned skills to operate and maintain artillery equipment; basic technical and mathematical skills for computing, communicating, and executing fire commands; ability and attitudes supporting life and close work with others in a field environment; and performing duties involving hard technical skills as well as administrative and managerial skills. The duties that must be learned vary by functional area. Firing battery includes moving, emplacing, loading, firing, protecting, and maintaining field artillery cannon weapons systems. Field artillery operations involve moving, emplacing, operating, protecting, and maintaining equipment which acquires targets; provides, relates, and evaluates gun and target survey information, meteorological data, weapon system performance; and integrating these factors into orders and communicating these orders to the firing battery. Field artillery observation and liaison include checking and analyzing combat plans and communicating appropriate advice, planning and operating information to coordinate the fires of field artillery and naval guns with infantry and armor combat maneuvers; observing and reporting targets and other battlefield information; and adjusting observed fires on targets. Types of entry-level jobs include work as Field Artillery Cannoneer, Radar Operator, Fire Control Man, Sensor Support Marine, and as a Fire Support Man, spotting fires of artillery and naval gunfire. Formal schooling or field skills training is provided to Marines entering the OccFld. Because field artillery is the primary supporting arm for Marine Infantry and Armor, most of its billets are in FMF ground organizations. The Marine Artilleryman finds most assignment opportunities similar to the wide variety of billets available to those in other combat and combat support fields at all staff levels of the division and in various free billets. Marines entering this OccFld receive MOS 0800, Basic Field Artillery Man, and under instruction and close supervision, perform routine duties incident to the firing, operation, and maintenance of field artillery pieces and related equipment. These Marines are trained for one of the MOSs in the field artillery OccFld and participate in routine functioning and tactical employment of the unit to which attached.

2. MOS 0811, Field Artillery Cannoneer (MGySgt to Pvt) PMOS

a. Summary. As a member of a Field Artillery Howitzer Battery, Cannoneers prepare artillery pieces and equipment for movement, combat, and firing. They inspect and prepare ammunition for firing, and perform the various jobs incident to firing such as, laying for elevation and deflection, loading the piece, and handling ammunition. Field Artillery Cannoneers perform preventive maintenance and clean artillery pieces and equipment. They make routine tests and authorize repairs to equipment. Camouflage position, protect equipment from chemical warfare agents, and construct field fortifications.

b. Prerequisites. Must possess a GT score of 90 or higher.

c. Requirements. Complete the USMC Cannon Crewman Course and demonstrate qualification through performance for MOS 0811 and demonstrate qualification through MOJT.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
A200821	Cannon Crewman (USMC)	Ft Sill, OK

d. Duties. For a complete listing of duties and tasks, refer to reference (k), Artillery Training and Readiness (T&R) Manual.

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

(1) First-Line Supervisors/Managers of Weapon Specialists/Crewmembers 55-2012.

(2) Artillery and Missile Crewmember 55-3014.

f. Related Military Skill. None.

3. MOS 0814, High Mobility Artillery Rocket System (HIMARS) Operator (MGySgt to PVT) NMOS (0811)

a. Summary. As a member of a HIMARS Battery, Operators prepare the HIMARS for movement, combat, and firing. They inspect and prepare the launcher system for employment to include movement to and from concealment positions and firing positions, operate the fire control systems, and handle multiple launch rocket system (MLRS) family of munitions (MFOM). HIMARS Operators perform preventative maintenance and clean system components. They make routine tests and authorized repairs to HIMARS. They provide security, camouflage positions, and protect HIMARS from chemical warfare agents. This MOS will be assigned by the CMC (MM).

b. Prerequisites

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

(2) Must possess a GT score of 90 or higher.

(3) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Must be assigned the primary MOS 0811 through either completing the USMC Cannon Crewman Course and demonstrate qualification through MOJT.

(2) Complete the Marine Corps HIMARS Crewman Course and demonstrate qualification through performance for MOS 0814; or demonstrated qualification through MOJT.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
A20AN51	High Mobility Artillery Rocket SYS OP (USMC)	Ft Sill, OK

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

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

(1) First-Line Supervisors/Managers of Weapon Specialist/Crewmembers 55-2012.

(2) Artillery and Missile Crewmember 55-3014.

f. Related Military Skill. None.

4. MOS 0842, Field Artillery Radar Operator (Sgt to Pvt) PMOS

a. Summary. Field artillery radar operators perform the duties required to emplace, operate, and displace counterfire radar systems. Other duties include operating military vehicles, generator assets, communications equipment, establishing radio networks for voice and digital communications, and performing hasty survey techniques. Radar operators also work in the artillery target processing centers. These duties include operating fire support systems that process counterfire/artillery target intelligence and manage radar assets in the field.

b. Prerequisites

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

(2) Must possess a GT score of 105 or higher.

(3) Security requirement: Secret security clearance eligibility.

c. Requirements

(1) Complete the Field Artillery Fire Finder Radar Operator Course.

(2) This MOS will be retained as an additional MOS upon promotion to staff sergeant in MOS 0848.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
A20ANE1	Marine Artillery Radar Operator Course	Ft Sill, OK

d. Duties. For a complete listing of duties and tasks, refer to reference (k), Artillery Training and Readiness (T&R) Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Radar and Sonar Technicians 55-3017.

f. Related Military Skill. None.

5. MOS 0844, Field Artillery Fire Control Man (Sgt to Pvt) PMOS

a. Summary. Field Artillery Fire Control Men perform duties essential to the delivery of accurate artillery fire. Typical duties include preparation of fire control equipment for movement and operation, performance of preventive maintenance, routine testing, authorized minor repairs and fire control equipment, and operation of field communications equipment. Fire control computation includes the use of computer equipment systems, plotting survey data on firing charts, determination of target coordinates, and the conversion to target coordinates and observer's reports into firing data and commands. MOS 0844 is assigned upon completion of formal school. Upon promotion to Staff Sergeant and the appropriate formal school, the 0844 will be designated MOS 0848.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must possess a GT score of 105 or higher.
- (3) Security requirement: Secret security clearance eligibility.

c. Requirements

- (1) Complete the Field Artillery Fire Control Man Course.
- (2) This MOS will be retained as an additional MOS upon promotion to staff sergeant in MOS 0848.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
A200811	Field Artillery Fire Control Man (USMC)	Ft Sill, OK

d. Duties. For a complete listing of duties and tasks, refer to reference (k), Artillery Training and Readiness (T&R) Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Artillery Missile and Crewmembers 55-3014.

f. Related Military Skill. None.

6. MOS 0847, Field Artillery Sensor Support Marine (Sgt to Pvt) PMOS

a. Summary. Field Artillery Sensor Support Marines assist in the delivery of accurate artillery fires and prosecution of counter fire fight by developing weather data for artillery ballistic computations, performing survey operations, and operating acoustic and electronic counter fire assets. Duties include preparing and operating weather observation equipment such as theodolites and surface sensors, measuring atmospheric readings; preparing and operating survey equipment such as inertial navigation systems, global positioning system receivers, theodolites and electronic distance measuring equipment. Additionally, the 0847 will prepare and operate acoustic sensors and electronic radar systems for employment in the counter fire fight. Other duties include operating computer systems for computations, digital communications, command and control, and imagery development. MOS 0847 is assigned upon completion of formal school. Upon promotion to Staff Sergeant and the appropriate formal school, the 0847 will be designated MOS 0848.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must possess a GT score of 105 or higher.
- (3) Security requirement: Secret security clearance eligibility.

c. Requirements. Complete the Marine Artillery Sensor Support Man Course, Ft Sill, OK.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
A20DPZ1	Marine Artillery Sensor Support Man (USMC)	Ft Sill, OK

d. Duties. For a complete listing of duties and tasks, refer to reference (k), Artillery Training and Readiness (T&R) Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Artillery Missile and Crewmember 55-3014.

f. Related Military Skill. Weather Observer, 6842.

7. MOS 0848, Field Artillery Operations Man (MGySgt to SSgt) PMOS

a. Summary. Field Artillery Operations Men perform the various duties associated with the operation of a field artillery and mortar fire direction center; operations or training section; artillery sensor section; survey section. Duties include preparing personnel and equipment for movement and operation; assisting in location of fire direction center in the field; maintaining a situation map, operations journal, and survey records; performing duties incident to the preparation, reproduction, and distribution of operations orders, training orders, memoranda, schedules, status reports, and S-3 periodic reports; preparing operations maps and overlays; assisting in the establishment and operation of artillery meteorological stations, direct atmospheric meteorological observation interpreting, evaluating and distributing atmospheric data; performing duties incident to execution of sensor plans essential to proper employment of field artillery; assisting in installation, orientation, operation, and maintaining target acquisition radar equipment; and training personnel in radar, meteorological, survey, acoustic, and fire direction procedures.

b. Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Security requirement: Secret security clearance eligibility.

c. Requirements. Complete the Marine Artillery Operations Chief Course, Ft Sill, OK and qualify in MOS 0842, 0844, or 0847.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
A204801	Marine Artillery Operations Chiefs	Ft Sill, OK

d. Duties. For a complete listing of duties and tasks, refer to reference (k), Artillery Training and Readiness (T&R) Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. First-Line Supervisors/Managers of Weapons Specialist/Crewmember 55-2012.

f. Related Military Skill. Ground Operations Specialist, 8711.

8. MOS 0861, Fire Support Man (MGySgt to Pvt) PMOS

a. Summary. Fire Support Men perform duties incident to the planning, observation, conduct, and control of artillery and naval gunfire. These duties include planning, calling for, integrating, coordinating, observing and adjusting artillery (cannon, rocket, missile) and NSFS, employment of

LASER designators, range finders, and LASER guided munitions and coordination of lethal and non-lethal fire support assets to include mortars, artillery (cannon, rocket, missile), NSFS, Fixed and Rotary wing CAS. These duties also include operating communications equipment, establishing radio networks for voice and digital communications, as well as operating Marine Corps fire support systems.

b. Prerequisites

- (1) Must be a U.S. Citizen.
- (2) Must possess a GT score of 100 or higher.
- (3) Must have normal color vision, and vision correctable to 20/20.
- (4) Security requirement: Secret security clearance eligibility.

c. Requirements

- (1) Complete the Marine Artillery Scout Observer Course, Ft Sill, OK.
- (2) Complete the Fire Support Man Course, EWTGPAC, Coronado, CA.

<u>CID</u>	<u>TITLE</u>	<u>LOCATION</u>
A200H61	Artillery Scout Observer (USMC)	Ft Sill, OK
N3013U1	Fire Support Man	San Diego, CA

d. Duties. For a complete listing of duties and tasks, refer to reference (k), Artillery Training and Readiness (T&R) Manual.

e. Related Standard Occupational Classification (SOC) Title and Code. Artillery and Missile Crew Member 55-3014.

f. Related Military Skill

- (1) Field Artillery Radar Operator, 0842.
- (2) Field Artillery Fire Control Man, 0844.

MGySgt	0811	0814		0848		0861
MSgt	0811	0814		0848		0861
GySgt	0811	0814		0848		0861
SSgt	0811	0814		0848		0861
Sgt	0811	0814	0842	0844	0847	0861
Cpl	0811	0814	0842	0844	0847	0861
LCpl	0811	0814	0842	0844	0847	0861
PFC	0811	0814	0842	0844	0847	0861
Pvt	0811	0814	0842	0844	0847	0861

MOS	Title
0811	Field Artillery Cannoneer (PMOS)
0814	High Mobility Artillery Rocket System (HIMARS) Operator (NMOS)
0842	Field Artillery Radar Operator (PMOS)
0844	Field Artillery Fire Control Man (PMOS)
0847	Field Artillery Sensor Support Marine (PMOS)
0848	Field Artillery Operations Man (PMOS)
0861	Fire Support Man (PMOS)

Figure 3-7.--Field Artillery

MOS 0811, Field Artillery Cannoneer (PMOS)

MGYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	<b>OPFOR:</b> Arty Regt <b>SE:</b> TECOM, HQMC PP&O (POG)/I&I Staff/ PMTAS/MARCORSYSCOM
-----		
MSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	<b>OPFOR:</b> Arty Bn <b>SE:</b> I&I Staff/TECOM
-----		
GYSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	<b>OPFOR:</b> Arty Bn/Btry <b>SE:</b> TECOM/TBS/RCTG/MCRD/I&I Staff/ MCI/HQMC/MTN Warfare Trng
-----		
SSGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	Marine Corps Cannon Crewman Advance Course <b>OPFOR:</b> Arty Btry <b>SE:</b> TECOM/TBS/RCTG/MCRD
-----		
SGT	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	<b>OPFOR:</b> Arty Regt/Btry <b>SE:</b> TECOM/TBS/RCTG/MCRD/MB GITMO/ MCB Camp Pendleton
-----		
CPL	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	<b>OPFOR:</b> Arty Btry <b>SE:</b> TECOM/TBS/MCTG/ MCRD
-----		
LCPL	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	USMC Cannon Crewman Course <b>OPFOR:</b> Arty Btry <b>SE:</b> TBS
-----		
PFC	Required Training: Skill Progression: Skill Enhancement: MOS Assignment:	USMC Cannon Crewman Course <b>OPFOR:</b> Arty Btry <b>SE:</b> TBS
-----		

Figure 3-7.--Field Artillery





PFC      Required Training:      USMC Cannon Crewman Course HIMARS  
Operator Course  
Skill Progression:  
Skill Enhancement:  
MOS Assignment:            **OPFOR:** Arty Btry  
   **SE:** TBS

---

PVT      Required Training:      USMC Cannon Crewman Course HIMARS  
Operator Course  
Skill Progression:  
Skill Enhancement:  
MOS Assignment:            **OPFOR:** Arty Btry  
   **SE:** TBS

---

MOS 0842, Field Artillery Radar Operator (PMOS)

SGT      Required Training:  
Skill Progression:  
Skill Enhancement:  
MOS Assignment:            **OPFOR:** Arty Regt  
   **SE:** TECOM/I&I Staff

---

CPL      Required Training:  
Skill Progression:  
Skill Enhancement:  
MOS Assignment:            **OPFOR:** Arty Regt  
   **SE:**

---

LCPL     Required Training:      Field Artillery Fire Finder Radar  
Operators Course  
Skill Progression:  
Skill Enhancement:  
MOS Assignment:            **OPFOR:** Arty Regt  
   **SE:**

---

PFC      Required Training:      Field Artillery Fire Finder Radar  
Operators Course  
Skill Progression:  
Skill Enhancement:  
MOS Assignment:            **OPFOR:** Arty Regt  
   **SE:**

---

PVT      Required Training:      Field Artillery Fire Finder Radar  
Operators Course  
Skill Progression:  
Skill Enhancement:  
MOS Assignment:            **OPFOR:** Arty Regt  
   **SE:**

---

MOS 0844 Field Artillery Fire Control Man (PMOS)

SGT      Required Training:  
Skill Progression:

Figure 3-7.--Field Artillery (continued)

	Skill Enhancement:	Marine Artillery Sensor Support Man Course
	MOS Assignment:	<b>OPFOR:</b> Arty Btry/Bn/Regt <b>SE:</b> TBS/RCTG/MCRD/I&I Staff/MSG
-----		
CPL	Required Training:	
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	<b>OPFOR:</b> Arty Btry/Bn/Regt <b>SE:</b> TBS/MSG
-----		
LCPL	Required Training:	Field Artillery Fire Control Man Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	<b>OPFOR:</b> Arty Btry/Bn/Regt <b>SE:</b> TBS/Camp Fuji
-----		
PFC	Required Training:	Field Artillery Fire Control Man Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	<b>OPFOR:</b> Arty Btry/Bn/Regt <b>SE:</b> TBS/Camp Fuji
-----		
PVT	Required Training:	Field Artillery Fire Control Man Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	<b>OPFOR:</b> Arty Btry/Bn/Regt <b>SE:</b> TBS/Camp Fuji
-----		

MOS 0847, Field Artillery Sensor Support Man

SGT	Required Training:	Marine Artillery Sensor Support Man Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	<b>OPFOR:</b> Arty Bn/Regt <b>SE:</b> TECOM/I&I Staff
-----		
CPL	Required Training:	Marine Artillery Sensor Support Man Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	<b>OPFOR:</b> Arty Bn/Regt <b>SE:</b>
-----		
LCPL	Required Training:	Marine Artillery Sensor Support Man Course
	Skill Progression:	
	Skill Enhancement:	
	MOS Assignment:	<b>OPFOR:</b> Arty Bn/Regt <b>SE:</b>
-----		

Figure 3-7.--Field Artillery (continued)



	Skill Enhancement:	Joint Targeting Staff Course Joint Targeting Application Course Joint Fires and Effects Course Combat Targeting Course MAGTF (C5) Fire Support Course, EWTGPAC
	MOS Assignment:	Joint IO Orientation Course <b>OPFOR:</b> MEF/Arty Regt <b>SE:</b> Ft Sill
-----		
MSGT	Required Training: Skill Progression: Skill Enhancement:	Joint Targeting Staff Course Joint Targeting Application Course Joint Fires and Effects Course Combat Targeting Course MAGTF (C5) Fire Support Course, EWTGPAC
	MOS Assignment:	Joint IO Orientation Course TMO Instructor Course <b>OPFOR:</b> Arty Regt/MEF/Div/ANGLICO <b>SE:</b> I&I Staff/EWTGs/HQMC PP&O/TTECG/ MARSOC
-----		
GYSGT	Required Training: Skill Progression: Skill Enhancement:	Joint Targeting Staff Course Joint Targeting Application Course Joint Fires and Effects Course Combat Targeting Course MAGTF (C5) Fire Support Course, EWTGPAC
	MOS Assignment:	Joint IO Orientation Course TMO Instructor Course <b>OPFOR:</b> MEF/Arty Regt/Arty Bn/ANGLICO/ Recon Bn/Tank Bn <b>SE:</b> I&I/RCTG/MCRD/EWTGs/TM6/MARSOC/ MCTOG/Ft Sill/MAWTS-1
-----		

Figure 3-7.--Field Artillery (continued)

SSGT	Required Training:	Marine Fire Support Chief Course
		Tactical Air Controller Party Course
	Skill Progression:	
	Skill Enhancement:	Joint Targeting Staff Course
		Joint Targeting Application Course
		Joint Fires and Effects Course
		Combat Targeting Course
		MAGTF (C5) Fire Support Course, EWTGPAC
		Distance Learning Course
		Joint IO Orientation Course
	MOS Assignment:	TMO Instructor Course
		<b>OPFOR:</b> Arty Regt/Arty Bn/MEF/ANGLICO/ MEU/Inf Bn/Tank Bn/LAR Bn
		<b>SE:</b> RCTG/MCRD/MSG/EWTG/Ft Sill/MARSOC
-----		
SGT	Required Training:	Joint Terminal Attack Controller Distance Learning Course
		Tactical Air Control Party Course
	Skill Progression:	
	Skill Enhancement:	Marine Corps Field Artillery Fire Support Chiefs Course
		Joint Targeting Staff Course
		Joint Targeting Application Course
		Joint Fires and Effects Course
		Combat Targeting Course
		MAGTF (C5) Fire Support Course, EWTGPAC
		Joint IO Orientation Course
		C2P2 System Administrator Course
		AFATDS System Administrator Course
		JADOCS System Administrator Course
	MOS Assignment:	TMO Operators Course
		<b>OPFOR:</b> Arty Regt/Arty Bn/MEF/ANGLICO/ Inf Bn/Tank Bn/LAR Bn
		<b>SE:</b> EWTG/RCTG/MCRD/MSG
-----		

Figure 3-7.--Field Artillery (continued)

CPL	Required Training:	Joint Fires Observer Course
	Skill Progression:	
	Skill Enhancement:	Fire Support Development Course (ATS)
		Fire Support Coordination Course, EWTGLANT
		C2P2 System Administrator Course
		AFATDS System Administrator Course
		JADOCS System Administrator Course
	MOS Assignment:	TMO Operators Course <b>OPFOR:</b> Arty Regt/Arty Bn/MEF/ANGLICO/ Tank Bn/Lar Bn <b>SE:</b> RCTG/MCRD/MSG/MARSOC
-----		
LCPL	Required Training:	Marine Artillery Scout Observer
		Fire Support Man Course
	Skill Progression:	
	Skill Enhancement:	C2P2 Operator Course
		AFATDS operator Course
		JADOCS Operator Course
		EMT User Course
		TMO Operators Course
	MOS Assignment:	TLDHS Operator Course <b>OPFOR:</b> Arty Regt/Arty Bn/MEF/ANGLICO <b>SE:</b> MSG/MARSOC
-----		
PFC	Required Training:	Marine Artillery Scout Observer
		Fire Support Man Course
	Skill Progression:	
	Skill Enhancement:	C2P2 Operator Course
		AFATDS Operator Course
		JADOCS Operator Course
		EMT User Course
		TMO Operators Course
	MOS Assignment:	TLDHS Operator Course <b>OPFOR:</b> Arty Regt/Arty Bn/MEF/ANGLICO <b>SE:</b> MSG/MARSOC
-----		
PVT	Required Training:	Marine Artillery Scout Observer
		Fire Support Man Course

Figure 3-7.--Field Artillery (continued)

Skill Progression:  
Skill Enhancement: C2P2 Operator Course  
  
AFATDS operator Course  
  
JADOCs Operator Course  
  
EMT User Course  
  
TMO Operators Course  
  
TLDHS Operator Course  
MOS Assignment: **OPFOR:** Arty Regt/Arty Bn/MEF/ANGLICO  
**SE:** MSG/MARSOC

---

Figure 3-7.--Field Artillery (continued)