



DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
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WASHINGTON DC 20350-3000

MCO 5400.53A
PP&O (PL)
03 May 2022

MARINE CORPS ORDER 5400.53A

From: Commandant of the Marine Corps
To: Distribution List

Subj: MARINE CORPS SPACE POLICY

Ref: See enclosure (1)

Encl: (1) References

1. Situation

a. The purpose of this Order is to update the United States Marine Corps (USMC) Space Policy and assign USMC roles and responsibilities for space operations in accordance with references (a) through (t). This Order has been revised substantially to update the Marine Corps Space Policy and align with current guidance. Significant additions include tasks for Deputy Commandant, Information (DC, I) and procedures for Marine Corps units to request space-related support from joint and interagency space organizations.

b. As a naval expeditionary force-in-readiness, as described in reference (m), the Fleet Marine Force (FMF) is heavily reliant on space capabilities to operate, persist, and sense in competition and conflict. The Department of Defense (DoD) defines space capabilities as the ability of a terrestrial or space-based asset to contribute to a mission in or through the space domain, per reference (i). The Marine Corps is no longer only an end user of space capabilities, but an active contributor, and must maintain and enhance its ability to exploit space operations and associated capabilities, to include Space Situational Awareness (SSA); space control; Positioning, Navigation, And Timing (PNT); Intelligence, Surveillance, and Reconnaissance (ISR); Satellite Communications (SATCOM); Environmental Monitoring (EM); and Missile Warning (MW). These operations and associated capabilities support the FMF across all seven joint warfighting functions as described in references (j) and (n).

2. Cancellation. Marine Corps Order 5400.53.

3. Mission. This Order provides policy on roles and responsibilities in order to integrate and synchronize space operations and associated capabilities into training, planning, and FMF operations.

4. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent. The Marine Corps organizes, trains, and equips for effective integration of space operations, which includes

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considerations for operating in a Denied, Degraded, or Disrupted Space Operational Environment (D3SOE), in order to achieve Marine Corps and Joint Force objectives across the spectrum of operations.

(2) Concept of Operations. Space operations are inherent to all joint warfighting functions and are imbedded in numerous Marine Corps systems. Successful implementation of this policy will require a deliberate effort across numerous Headquarters Marine Corps (HQMC) organizations, Marine Corps Forces (MARFOR), and FMF commands. All of these efforts must balance short-term and long-term risk in light of the strategic imperatives presented by competition and conflict. These efforts include:

(a) Organize, train, and equip forces to conduct space operations in support of FMF and Joint Force operations.

(b) Develop Tactics, Techniques, and Procedures (TTP), identify space-related needs and interoperability requirements, and provide equipment for operating forces to synchronize and integrate space operations into FMF and joint operations.

(c) Conduct training and exercises to integrate and synchronize space operations into FMF and joint operations, and prepare forces to operate in a D3SOE.

(d) Fully assess Marine Corps warfighting doctrine, identify corresponding capability gaps, and determine if space capabilities meet those needs, as described in reference (o).

(e) Conduct experimentation, development, and sustainment of space capabilities in order to support current and future FMF and joint operations.

(f) Develop and retain organic Marine Corps space operations expertise to support FMF and joint operations.

(3) End-state. Marine Corps units effectively integrate and synchronize space operations across all joint warfighting functions and operating environments in order to prevail in competition and conflict.

b. Tasks

(1) Deputy Commandant, Plans, Policies and Operations (DC, PP&O)

(a) Serve as the primary interface, through the Operations Deputy (OPSDEP) role, between the Marine Corps, the joint and combined activities of the Joint Chiefs of Staff, the unified Combatant Commanders (CCDRs), and various allied and other foreign defense agencies for space operations.

(b) Develop, review, and update Marine Corps space policy and serve as the Marine Corps principal military advisor to the Under Secretary of the Navy for space activities, as required.

(c) Support MARFORs in the integration and synchronization of space operations into campaign and Contingency Plans (CONPLANS).

(d) Support Commander, U.S. Marine Corps Forces Space Command (MARFORSPACE) with prioritizing and scheduling Marine Corps unit request for

training and exercise support from units assigned to joint space organizations via the Force Synchronization Conference.

(e) Provide Principal-level support to the Naval-National Reconnaissance Office (NRO) Summit and additional working groups, as required, per reference (k).

(f) Support the Naval Space Board (NSB) and Naval Space Board Working Group (NSBWG) as a Principal Member per reference (l).

(g) Support Deputy Commandant, Programs and Resources (DC, P&R) with subject matter expertise for space operations within the DoD Planning, Programming, Budgeting, and Execution (PPBE) process.

(h) Assist DC, P&R with resource decision recommendations regarding Marine Corps space capabilities, as required.

(i) Assist DC, P&R to develop a framework and conduct strategic risk analyses and assessments of current Marine Corps, joint, and adversary space capabilities, space operations, and future USMC investments as they impact the Service using five, ten, and 15 year planning windows.

(j) Assist with any other Service space matters not specifically tasked to another Deputy Commandant.

(2) Deputy Commandant, Information (DC, I)

(a) Serve as the primary interface between the Marine Corps and the Intelligence Community (IC) tasked with providing space-based intelligence support to the Marine Corps and participate in ISR-related National Security Space activities.

(b) Serve as the Military Occupational Specialty (MOS) Sponsor for space operations MOSs as described in reference (p). Additional tasks include the following:

1. Develop and maintain a sufficient number of space-qualified personnel to support the Marine Corps in space planning, programing, acquisition, training, and operations, per reference (e).

2. Develop, in coordination with Commanding General, Training and Education Command (CG, TECOM), space-related training and education across the Marine Corps training and education enterprise.

3. Coordinate with Deputy Commandant, Manpower and Reserve Affairs (DC, M&RA) with the development, assignment, sustainment, and appropriate staffing of Marine Corps space-qualified professionals.

4. Coordinate with DC, M&RA for the Commandant's Career-Level Education Board (CCLEB) and the Commandant's Professional Intermediate-Level Education Board (CPIB) slating of graduates from the Graduate Education Program space operations curricula.

(c) Support Commanding General, Marine Corps Systems Command (CG, MARCORSYSCOM) in his or her role as the PNT portfolio manager, to include coordinating Service positions on PNT issues. Represent the Marine Corps at the PNT Oversight Council, PNT Executive Management Board, PNT Working Group,

PNT Cyber Working Group, Navigation Warfare Working Group, Precise Time and Time Interval, Celestial Reference Frame/Earth orientation parameters, and other related PNT forums, working groups, and committees in accordance with reference (b).

(d) Support CG, MARCORSYSCOM in his or her role as the SATCOM portfolio manager, to include developing positions on SATCOM issues. Represent the Marine Corps at all appropriate SATCOM forums, working groups, and committees.

(e) As the primary interface between the Marine Corps and the IC, serve as the primary Principal Member for the Marine Corps to support the Naval-NRO Summit and additional working groups, as required, per reference (k).

(f) Support the NSB and NSBWG as a Principal Member per reference (l).

(g) Assist Deputy Commandant, Combat Development and Integration (DC, CD&I) in identifying Marine Corps space-related Command, Control, Communication, and Computers (C4), SATCOM, PNT, and ISR capability gaps.

(3) Deputy Commandant, Combat Development and Integration (DC, CD&I)

(a) Serve as the primary space operations subject matter expert for all Joint Capabilities Integration and Development System (JCIDS) activities.

(b) Develop, in coordination with DC, PP&O; DC, I; Deputy Commandant, Aviation (DC, AVN); Commander, MARFORSPACE; CG, TECOM; CG, MARCORSYSCOM; and FMF Commanders doctrine, force structure, operational concepts, and Concepts of Employment (CONEMP) for space operations that support FMF and Joint Force operations.

(c) Develop requirements for space capabilities.

(d) Develop and evaluate future space-related technologies in order to support Science and Technology (S&T), support experimentation, and inform requirements. Support CG, MARCORSYSCOM with the transition of these activities to programs of record, when appropriate.

(e) In coordination with the Marine Corps Tactical Exploitation of National Capabilities (TENCAP) Office, develop concepts to employ national space capabilities for tactical applications.

(f) Integrate space capabilities into the architecture, design, modeling, and simulation of all Marine Corps networks, sensors, weapons, and platforms.

(g) Conduct experimentation that demonstrates and validates space operations capabilities in support of FMF operations.

(h) Provide Principal-level support to the Naval-NRO Summit and additional working groups, as required, per reference (k).

(i) Serve as the co-chair and Service lead for the NSB and NSBWG, per reference (l).

(j) Assist DC, P&R with resource decision recommendations regarding Marine Corps space capabilities, as required.

(4) Deputy Commandant, Programs and Resources (DC, P&R)

(a) Review cost estimates developed for resourcing, budgeting, and financial execution consideration in order to support applicable Program Objective Memorandum and budget cycles regarding Marine Corps space capabilities.

(b) In coordination with DC, I; DC, CD&I; and DC, PP&O; develop resource decisions regarding Marine Corps space capabilities.

(c) In coordination with DC, CD&I, develop resource decisions regarding space operations for S&T and experimentation of space capabilities.

(d) Coordinate with DC, PP&O for space operations subject matter expertise to assist with analysis in support of DoD PPBE processes.

(e) Coordinate with DC, PP&O to develop a framework and conduct strategic risk analyses and assessments of current Marine Corps, joint, and adversary space capabilities, space operations, and future USMC investments as they impact the Service using five, ten, and 15 year planning windows.

(5) Deputy Commandant, Manpower and Reserve Affairs (DC, M&RA)

(a) Coordinate with DC, I regarding:

1. The development, assignment, sustainment, and appropriate staffing of Marine Corps space-qualified professionals.

2. The CCLEB and CPIB slating of graduates from the Graduate Education Program space operations curricula.

(b) In coordination with DC, I, provide support to promotion and other boards regarding the specialized skill sets of Marines trained in space operations to ensure due consideration is given to the needs of the Marine Corps while accepting that these needs may result in a non-traditional career path.

(6) Deputy Commandant, Aviation (DC, AVN). In coordination with DC I, assist DC, CD&I in identifying space-related capability gaps that impact Marine Corps aviation.

(7) Deputy Commandant, Installations and Logistics (DC, I&L). Coordinate with CG, TECOM for any training area modifications to accommodate space-related training, ranges, simulators, and associated real property requirements.

(8) Commanding General, Training and Education Command (CG, TECOM)

(a) Develop and incorporate, in coordination with DC, I and Commander, MARFORSPACE, space-related training and education into all levels of enlisted and officer professional military education.

(b) Maintain, in coordination with DC, CD&I; DC, PP&O; DC, I; DC, AVN; and Commander, MARFORSPACE, doctrine for space operations that support FMF and Joint Force operations.

(c) Coordinate with DC, I&L for any training area modifications to accommodate space-related training, ranges, simulators, and associated real property requirements.

(9) Commanding General, Marine Corps Systems Command (CG, MARCORSYSCOM)

(a) Serve as the systems command for the Department of the Navy (DON) regarding Marine Corps space-related programs of record.

(b) Serve as the PNT portfolio manager and, in coordination with DC, I, develop Service positions on PNT issues.

(c) Serve as the SATCOM portfolio manager and, in coordination with DC, I, develop Service positions on SATCOM issues.

(d) Support the NSB and NSBWG as a Principal Member per reference (1).

(10) Commander, U.S. Marine Corps Forces Space Command (MARFORSPACE)

(a) Serve as the senior Marine Corps representative and provide Marine Corps positions to Commander, U.S. Space Command (USSPACECOM) on space-related issues and capabilities.

(b) Provide assigned Marine Corps space capabilities to the Joint Force in support of Commander, USSPACECOM requirements (e.g. Marine Space Support Team).

(c) Serve as the senior Marine Corps representative at the Joint Space Warfighting Forum.

(d) Serve as the coordinating authority for Marine Corps units to request training and exercise support from MARFORSPACE capabilities and/or units assigned to joint space organizations, and for joint space organizations to request support from Marine Corps units.

1. Develop policies and procedures for Marine Corps units and joint space organizations to make these requests.

2. Socialize these requests at the Force Synchronization Conferences.

3. Identify any emergent USSPACECOM requirements that might request Marine Corps forces and individuals to DC, PP&O; DC, CD&I; and DC, M&RA respectively, concurrent with USSPACECOM submission to the Joint Staff (JS), in order to determine potential Marine Corps support and anticipated Global Force Management (GFM) sourcing actions.

4. Submit GFM force requirements to the respective CCDR in accordance with published JS annual GFM fiscal year planning and Service guidance.

5. Provide command representation to the Force Synchronization Conferences and Force Management Summits.

(e) Support all Marine Corps units in complying with applicable DoD Instructions and Chairman of the Joint Chiefs of Staff (CJCS) Instructions that require coordination with USSPACECOM for the employment of systems operating from, in, or through the space domain.

(f) Provide Principal-level support to the Naval-NRO Summit and additional working groups, as required, per reference (k).

(g) Support the NSB and NSBWG as a Principal Member per reference (l).

(h) Host the annual Marine Corps Space Operations Operational Advisory Group.

(i) Host the monthly Marine Corps space operations community of interest working group.

(11) Fleet Marine Force (FMF) Commanders

(a) Integrate and synchronize space operations into training, exercises, campaign plans, CONPLANS, and FMF operations, which shall include considerations for operating in a D3SOE. Coordinate with HQMC on space-related testing, training, and exercising events and operations as required.

(b) Conduct ongoing evaluations of the Service's ability to integrate and synchronize space operations and identify shortfalls as necessary.

1. Identify space operations personnel training shortfalls and resource shortfalls related to training for a D3SOE to DC, I.

2. Coordinate with DC, CD&I to identify capability gaps that may be addressed by space operations.

(c) Route all training and exercise support requests for units assigned to joint space organizations through the appropriate chain of command and in coordination with Commander, MARFORSPACE for prioritization and scheduling via the Force Synchronization Conference.

(d) Where required by established Orders, directives, or procedures, coordinate with USSPACECOM via MARFORSPACE for any operational employment, experimentation, or testing of systems that are assessed to have effects in the space domain. This shall include employment of directed energy, navigation warfare equipment, space control equipment (both offensive and defensive), and equipment designed to support training.

c. Coordinating Instruction. All HQMC organizations, MARFORs, and FMF Commanders will execute the following tasks, as necessary:

(1) Support Marine Corps units in integrating space operations into training, exercises, campaign plans, CONPLANS, and operations, which shall include considerations for operating in a D3SOE.

(2) Support DC, I by identifying requirements for space-related training and education.

(3) Support DC, CD&I with experimentation, requirements generation, capability development, and force structure planning; and review of doctrine, operational concepts, and CONEMPs for space operations.

5. Administration and Logistics. Recommendations concerning the content of this Order may be forwarded to DC, PP&O via the appropriate chain of command.

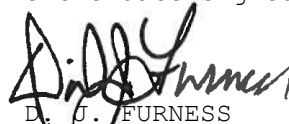
a. Records Management. In accordance with references (a) and (b), records created as a result of this directive shall be managed according to National Archives and Records Administration (NARA)-approved dispositions per SECNAV M-5210.1 to ensure proper maintenance, use, accessibility and preservation, regardless of format or medium. Records disposition schedules are located on the Department of the Navy/Assistant for Administration (DON/AA), Directives and Records Management Division (DRMD) portal page at: <https://portal.secnav.navy.mil/orgs/DUSNM/DONAA/DRM/Records-and-Information-Management/Approved%20Record%20Schedules/Forms/AllItems.aspx>. Refer to MCO 5210.11F for Marine Corps records management policy and procedures.

b. Privacy Act. In accordance with references (c) and (d), any misuse or unauthorized disclosure of Personally Identifiable Information (PII) may result in both civil and criminal penalties. The DON recognizes that the privacy of an individual is a personal and fundamental right that shall be respected and protected. The DON's need to collect, use, maintain, or disseminate PII about individuals for purposes of discharging its statutory responsibilities shall be balanced against the individuals' right to be protected against unwarranted invasion of privacy. All collection, use, maintenance, or dissemination of PII shall be in accordance with the Privacy Act of 1974, as amended (5 U.S.C. 552a) and implemented per SECNAVINST 5211.5F.

6. Command and Signal

a. Command. This Order is applicable to the Marine Corps Total Force.

b. Signal. This Order is effective the date signed.



D. J. FURNESS
Deputy Commandant for Plans,
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PCN 10208092100

References

- (a) United States Space Priorities Framework, December 1, 2021
- (b) Space Policy Directive 7, "The United States Space-Based Positioning, Navigation, and Timing Policy," January 15, 2021
- (c) DoD, "Defense Space Strategy Summary," June 2020
- (d) DoD Directive 3100.10 w/CH-1, "Space Policy," November 4, 2016
- (e) DoD Directive 3100.16 w/CH-1, "DoD Management of Space Professional Development," May 8, 2017
- (f) DoD Directive 4650.06 w/CH-1, "Positioning, Navigation, and Timing Management," May 7, 2021
- (g) DoD Directive 5100.01, "Functions of the Department of Defense and Its Major Components," September 17, 2020
- (h) DoD Instruction 3100.11, "Management of Laser Illumination of Objects in Space," October 24, 2016
- (i) Joint Publication 3-14 w/CH-1, "Space Operations," October 26, 2020
- (j) MCBUL 5400
- (k) SECNAVINST 5400.39E
- (l) SECNAV Memorandum, "Naval Space Board Charter," June 18, 2013
- (m) 38th Commandant's Planning Guidance
- (n) Marine Corps Concept for Space Operations, October 2017
- (o) MCBUL 3900
- (p) MCO 5311.1E
- (q) SECNAV M-5210.1 w/CH-1
- (r) MCO 5210.11F
- (s) 5 U.S.C 552a
- (t) SECNAVINST 5211.5F

APPENDIX A

Glossary of Acronyms and Abbreviations

C4	Command, Control, Communication, and Computer
CCDR	Combatant Commander
CCLEB	Commandant's Career-Level Education Board
CG	Commanding General
CPIB	Commandant's Professional Intermediate-Level Education Board
CJCS	Chairman of the Joint Chiefs of Staff
CONEMP	Concept of Employment
CONPLAN	Contingency Plan
D3SOE	Denied, Degraded, or Disrupted Space Operational Environment
DC, AVN	Deputy Commandant, Aviation
DC, CD&I	Deputy Commandant, Combat Development and Integration
DC, I	Deputy Commandant, Information
DC, M&RA	Deputy Commandant, Manpower and Reserve Affairs
DC, P&R	Deputy Commandant, Programs and Resources
DC, PP&O	Deputy Commandant, Plans, Policies and Operations
DoD	Department of Defense
DON	Department of the Navy
DON/AA	Department of the Navy/Assistant for Administration
DRMD	Directives and Records Management Division
EM	Environmental Monitoring
FMF	Fleet Marine Force
GFM	Global Force Management
HQMC	Headquarters Marine Corps
IC	Intelligence Community
ISR	Intelligence, Surveillance, and Reconnaissance
JCIDS	Joint Capabilities Integration and Development System
JS	Joint Staff
MARFOR	Marine Corps Forces
MARFORSPACE	United States Marine Corps Forces Space Command
MCO	Marine Corps Order
MOS	Military Occupational Specialty
MW	Missile Warning
NARA	National Archives and Records Administration
NRO	National Reconnaissance Office
NSB	Naval Space Board
NSBWG	Naval Space Board Working Group
OPSDEP	Operations Deputy
PPBE	Planning, Programming, Budgeting, and Execution
PII	Personally Identifiable Information
PNT	Positioning, Navigation, and Timing
S&T	Science and Technology
SATCOM	Satellite Communications
SECNAV	Secretary of the Navy
TENCAP	Tactical Exploitation of National Capabilities
TTP	Tactics, Techniques, and Procedures
USMC	United States Marine Corps
USSPACECOM	United States Space Command