



DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
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MARINE CORPS ORDER 5400.53

From: Commandant of the Marine Corps
To: Distribution List

Subj: MARINE CORPS SPACE POLICY

Ref: (a) SECNAVINST 5400.39C
(b) DOD Directive 3100.10, "Space Policy," July 9, 1999
(c) DOD Directive 5101.2, "DoD Executive Agent for Space," June 3, 2003
(d) SECDEF Memo U17370/01 dtd 18 Oct 01
(e) DOD Directive 5100.1, "Functions of the Department of Defense and its Major Components," August 1, 2002
(f) MCO 3900.15B
(g) DON Memo of Understanding (MOU) between the Office of the Under Secretary of the Navy; DC, PP&O; and N6/N7 dtd 17 Sep 02
(h) MCO 5311.1D

1. Situation. To establish Marine Corps policy and assign responsibility for execution of the Department of the Navy (DON) Space Policy, per references (a) through (h). This Order implements references (a) through (c) by defining the process through which the Marine Corps will participate in DON and National Security Space activities.

2. Mission

a. Marine Corps warfighting doctrine embraces the maneuver warfare concept and recognizes Marine forces will conduct decentralized, combined arms operations across non-linear battlefields. These decentralized, distributed operations demand increased situational awareness, high operations tempo, increased mobility, and support in austere environments. The ability for dispersed forces to conduct simultaneous, over-the-horizon combat operations is an on-going need. This manner of warfighting and its inherent requirement for strategic agility and tactical flexibility has resulted in an increased reliance

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on space-based capabilities, to include satellite communications; space-based intelligence, surveillance, and reconnaissance (ISR); missile warning, space control and space-based position, navigation, and timing. These systems increase the combat effectiveness of the Marine Air Ground Task Force (MAGTF) and are key components in the employment of a synchronized combined arms force. The Marine Corps must maintain and enhance its ability to exploit space capabilities, define space capability needs and interoperability requirements, develop a professional cadre of Marines educated in space operations, and actively participate in National Security Space activities.

b. This Order supports the Department of Defense (DoD) Space Policy in reference (b) and responds to SECNAV task to the Commandant of the Marine Corps (CMC) to develop an implementation policy describing the manner in which the Marine Corps will engage in National Security Space activities (reference (a)). This Order reflects National Security Space management responsibilities as directed in references (c) and (d), and Service responsibilities for the conduct of space operations as set forth in reference (e).

3. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent. Space capabilities, by their global presence and ubiquitous nature, are inherently joint and, as such, should be jointly defined and scoped. The Marine Corps will function as an equitable partner and actively participate in the National Security Space community. As an end user of the capabilities provided by our Nation's significant investment in space, it is imperative that the Marine Corps ensure it gains the maximum benefit from space-based capabilities. The Marine Corps will:

(a) Organize, train, equip, and provide Marine Corps forces to support MAGTF space operations as appropriate and per reference (e).

(b) In coordination with the other military Services, develop tactics, techniques, and equipment employed by Marine Corps forces for use in space operations as required and per references (e) and (f).

(c) Participate with other Services in joint space operations, training, and exercises, as mutually agreed to by the Services concerned or as directed by competent authority per reference (e).

(d) Develop a cadre of MAGTF personnel highly knowledgeable in space systems to support the Marine Corps in space planning, programming, acquisition, and operations. In accordance with reference (c), the Marine Corps will develop and maintain a sufficient cadre of space-qualified professionals to support the DoD Executive Agent (EA) for Space with space cadre personnel to represent the Marine Corps in DoD-wide planning activities.

(e) Fully assess Marine Corps warfighting doctrine, determine corresponding capability gaps, and conduct analysis to ascertain if space-based systems could meet those needs. Communicate the resulting needs to the EA for Space for integration into space plans and major space program capabilities documents, as well as associated acquisition programs in accordance with reference (f).

(f) Plan for and integrate the essential enabling capabilities provided by space-based systems into the Marine Corps warfighting construct, to include networks, sensors, weapons, platforms, tactics, and doctrine in accordance with reference (f).

(2) Concept of Operations. Marine Corps implementation of the DON Space Policy is focused on identifying warfighting needs and capability gaps, translating appropriate gaps into desired performance, and articulating those needs so space requirement developers can ascertain if a space-based system could address those needs in a practical, cost-effective manner. The Marine Corps is interested in the effects space can bring to the fight; in other words, making our Nation's significant investment in space systems tactically relevant. Many Marine Corps organizations are part of this process and have responsibilities in executing this Order.

b. Subordinate Element Missions

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

(a) Develop Marine Corps space policy, as well as space planning and programming (reference (g)). As such, DC

PP&O will serve as the Marine Corps principal military advisor to the Under Secretary of the Navy (UNSECNAV) in executing the following UNSECNAV responsibilities:

1. Review and formulation of DON space policy.
2. Oversight of DON space activities.
3. Harmonization of DON representations on space matters to the Office of the Secretary of Defense and other Services.
4. Representation of DON to the EA for Space on space matters.
5. Any other departmental space matters not specifically delegated to an Assistant Secretary of the Navy.

(b) Serve as the Marine Corps advocate for space and space-related capabilities not explicitly assigned to another department. Synthesize space-related positions from other advocates into a broader Marine Corps position on space and space-related capabilities.

(c) Establish and manage the Marine Corps Space Cadre as follows:

1. Develop and maintain a sufficient cadre of space-qualified personnel to support the Marine Corps in space planning, programming, acquisition, and operations.
2. Support the EA for Space with space cadre personnel to represent the Marine Corps in DoD-wide planning, programming, and acquisition activities.
3. Serve as the occupational field manager for the space operations military occupational specialties (MOS) 8866 and 0540. Specific responsibilities are found in reference (h).
4. Appoint an MOS specialist for the space operations field. Specific duties of the MOS specialist are found in reference (h). The MOS specialist will serve as the Marine Corps space cadre advisor.
5. Determine requirements for formal space-related training that does not result in a new primary MOS and

provide such requirements to the Deputy Commandant for Combat Development and Integration (DC CD&I).

6. Sponsor and charter the Marine Corps Space Cadre Working Group.

(d) Provide space strategies, plans, and program information to the EA for Space for review and coordination, integration into the National Security Space Plan and inclusion in DoD-wide planning, programming, and acquisition activities.

(e) In coordination with DC CD&I:

1. Develop capability needs and concepts for space systems; space doctrine, education, and training requirements and standards; and space-related strategy and operations.

2. Submit space capability needs, operational requirements, and interoperability requirements to the EA for Space for integration into space plans and major space program requirements and capabilities documents, per reference (c).

(f) Develop, in conjunction with the Deputy Commandant for Aviation (DC AVN); Director, Intelligence Department (DIRINT); and Director, Command, Control, Communications, and Computers (C4) (Dir, C4), a list of programs to be included in the virtual Major Force Program (MFP) for Space per reference (d).

(g) Provide the programs to be included in the virtual MFP for Space to the Deputy Commandant for Programs and Resources (DC P&R).

(h) Recommend to the EA for Space priorities for space support to the DoD and its components.

(i) Serve as the Marine Corps single point of contact to the EA for Space and the National Security Space Office.

(j) Participate in the planning, programming, and acquisition activities of the EA for Space.

(k) Sponsor and charter the Marine Corps Space Working Group.

(l) Provide space subject matter expertise to other Marine Corps staff agencies as required.

(m) Support the SECNAV in carrying out the additional specific DON space responsibilities prescribed in references (d) and (e).

(n) Advocate and represent the Marine Corps position on National and DoD Space policy issues to the National Security Council, Office of the Secretary of Defense, and the Joint Staff.

(o) Participate in the development of space operating plans, and space concepts of operation, and include these in the Marine Corps planning processes.

(2) Deputy Commandant for Combat Development and Integration (DC CD&I) shall:

(a) Develop, in conjunction with DC PP&O, capability needs and concepts for space systems; space doctrine, education, and training requirements and standards; and space-related strategy and operations.

(b) If required, submit to the Marine Corps Expeditionary Force Development System (EFDS), in accordance with reference (f), space capability needs, operational requirements, and interoperability requirements to the DoD EA for Space for integration into space plans and major space program requirements and capabilities documents and associated acquisition programs, per reference (c).

(c) Provide oversight of space-related items entered into the EFDS in accordance with reference (f).

(d) Integrate space capabilities into the architectures and designs of appropriate Marine Corps networks, sensors, weapons, and platforms in support of Marine Corps Vision and Strategy 2025.

(e) Develop concepts of operation to make space-based systems tactically relevant for Marine Corps forces.

(f) Support training, exercises, and experiments that demonstrate and validate space support to the tactical user.

(g) Ensure, per reference (d), professional military education curricula stress the application of space systems to combat operations.

(h) Submit requirements, in conjunction with DC PP&O, for formal space-related training that does not result in a new primary MOS to the EA for Space.

(i) Coordinate Marine Corps participation in National and joint space wargames.

(j) Integrate space capabilities into Marine Corps wargames.

(k) Include the appropriate integration of space capabilities into the architecture, design, modeling, and simulation of all Marine Corps networks, sensors, weapons, and platforms.

(3) Deputy Commandant for Programs & Resources (DC P&R) is responsible for:

(a) Making resource decisions with full consideration of the capabilities, limitations, and necessity of relevant space assets.

(b) Ensuring Marine Corps space programming complies with DoD guidance.

(c) Providing approved programmatic and budget data for space programs for inclusion in the virtual MFP for Space per reference (d).

(4) Deputy Commandant for Manpower and Reserve Affairs (DC M&RA) will support DC PP&O in the development and maintenance of the Marine Corps Space Cadre.

(5) Deputy Commandant for Aviation (DC AVN) shall:

(a) Advocate and articulate Marine Corps space-related aviation needs and capabilities.

(b) Advise DC PP&O of key Marine Corps aviation positions with respect to space planning, programming, and policy.

(c) Develop a Marine Corps aviation strategy in concert with DC CD&I which fully leverages space-based assets and is consistent with reference (a).

(d) Assist DC P&R in development of programmatic and budget data for space programs for inclusion in the virtual MFP for Space per reference (d).

(e) Act as a resource sponsor, and in coordination with DC CD&I, validate space-related operational requirements and identify specific systems to leverage space-based capabilities.

(f) Assist DC PP&O as required in the review of space-related doctrine and concepts of operation.

(g) Identify to DC PP&O space-related training requirements for space operations personnel assigned to Aviation-sponsored billets.

(6) Director, Intelligence Department (DIRINT) shall:

(a) Advocate and articulate Marine Corps space-related ISR needs and capability gaps to include those related to Imagery Intelligence, Signals Intelligence, and Measurement and Signature Intelligence,

(b) Serve as the Marine Corps advocate for space-based ISR capabilities and participate in ISR related National Security Space activities.

(c) Advise DC PP&O of key Marine Corps intelligence positions with respect to space planning, programming, and policy.

(d) Develop a Marine Corps ISR strategy in concert with DC CD&I which fully leverages space-based assets consistent with reference (a).

(e) Advise DC PP&O and other Marine Corps agencies, as appropriate, on key DoD and intelligence community positions with respect to space-based ISR systems.

(f) Serve as the Marine Corps liaison to external agencies tasked with providing space-based intelligence support to the DoD.

(g) Oversee and support the activities of the Marine Corps Tactical Exploitation of National Capabilities Office.

(h) Assist DC P&R in development of programmatic and budget data for space programs for inclusion in the virtual MFP for Space per reference (d).

(i) Act as a resource sponsor and, in coordination with DC CD&I, validate space-related operational needs and identify specific systems to leverage space-based capabilities.

(j) Assist DC PP&O as required in the review of space-related doctrine and concepts of operation.

(k) Identify and communicate to DC PP&O space-related training requirements for space operations personnel assigned to Intelligence-sponsored billets.

(7) Director, Command, Control, Communications, and Computers (Dir C4) shall:

(a) Develop, in coordination with DC CD&I, Marine Corps space-related C4 and capability gaps.

(b) Serve as the Marine Corps advocate for space-based C4 capabilities and participate in C4-related National Security Space activities.

(c) Advise DC PP&O of key Marine Corps C4 positions with respect to space planning, programming, and policy.

(d) Develop a Marine Corps C4 strategy in concert with DC CD&I, which fully leverages space-based assets and is consistent with reference (a).

(e) Advise DC PP&O and other Marine Corps agencies/commands as appropriate on key C4 positions with respect to space-based communications systems.

(f) Assist DC P&R in development of programmatic and budget data for space programs for inclusion in the virtual MFP for Space per reference (d).

(g) Act as a resource sponsor and, in coordination with DC CD&I, validate space-related operational requirements and identify specific systems to leverage space-based capabilities.

(h) Assist DC PP&O as required in the review of space-related doctrine and concepts of operation.

(i) Identify and communicate to DC PP&O space-related training requirements for space operations personnel assigned to C4-sponsored billets.

(8) Commander, U.S. Marine Corps Forces, U.S. Strategic Command shall:

(a) Represent the Marine Corps position on space-related issues to Commander, U.S. Strategic Command (CDRUSSTRATCOM).

(b) Assist DC PP&O in concept development and force structure planning to conduct space support operations as required.

(c) Represent Marine Corps capabilities to CDRUSSTRATCOM.

(d) Assist CDRUSSTRATCOM in conducting deliberate and crisis action planning.

(e) Assist DC PP&O in the review of space-related doctrine and concepts of operation as required.

(f) Identify and communicate to DC PP&O space-related training requirements for space operations personnel.

(9) Commander, U.S. Marine Corps Forces, U.S. Special Operations Command will:

(a) Represent the Marine Corps position on space-related issues to Commander, U.S. Special Operations Command (CDRUSSOCOM).

(b) Assist DC PP&O in concept development and force structure planning to conduct space support operations as required.

(c) Represent Marine Corps capabilities to CDRUSSOCOM.

(d) Assist CDRUSSOCOM in conducting deliberate and crisis action planning.

(e) Assist DC PP&O in the review of space-related doctrine and concepts of operation as required.

(f) Identify and communicate to DC PP&O space-related training requirements for space operations personnel.

(10) Operating force commanders will:

(a) Plan for and integrate space-based capabilities into operational plans and training plans.

(b) Identify capability gaps that could be solved by space-based systems via Marine Corps EFDS.

(c) Identify to DC PP&O training requirements for assigned space operations personnel.

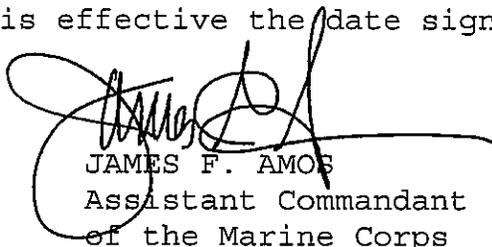
(d) Request space operations support as required.

4. Administration and Logistics. Recommendations for changes to this Order are encouraged and should be submitted to the CMC (PP&O/PLI) via the chain of command.

5. Command and Signal

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

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



JAMES F. AMOS
Assistant Commandant
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