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**CJCSI 3810.01G**  
**31 March 2023**  
**CH 1, 17 June 2024**

# **METEOROLOGICAL AND OCEANOGRAPHIC SUPPORT**



**JOINT STAFF**  
**WASHINGTON, D.C. 20318**

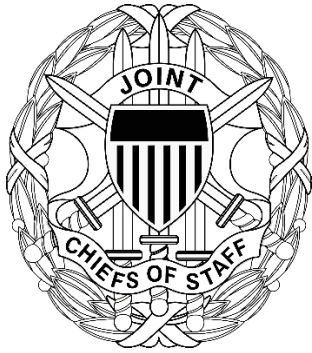
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# CHAIRMAN OF THE JOINT CHIEFS OF STAFF NOTICE

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17 June 2024

## CHANGE 1 TO CHAIRMAN OF THE JOINT CHIEFS OF STAFF INSTRUCTION 3810.01G

References:  
See Enclosure C.

1. Change. Holders of Chairman of the Joint Chiefs of Staff (CJCS) Instruction 3810.01G, "Meteorological and Oceanographic Support," 31 March 2023 are requested to make the following page substitution:

Remove Page	Add Page
B-2	B-2

2. The summary of changes is as follows: **Page B-2, paragraph m was updated to include language about the Joint Meteorology and Oceanography (METOC) Course developed and managed by the Joint Staff J-36 based on CJCS training responsibilities outlined in title 10, U.S. Code, section 153 and Department of Defense Directive 5100.01, "Functions of the Department of Defense (DoD) and its Major Components," 21 December 2010, incorporating change 1, 17 September 2020.**

3. When the prescribed action has been taken, this change notice should be filed behind the basic document.

4. Releasability. UNRESTRICTED. This instruction is approved for public release; distribution is unlimited on the Non-classified Internet Protocol Router Network (NIPRNET). DoD Components (to include Combatant Commands), other Federal agencies, and the public may obtain copies of this directive through the Internet from the CJCS Directives Electronic Library at <<https://www.jcs.mil/library>>. Joint Staff activities may also obtain access via the SECRET Internet Protocol Router Network (SIPRNET) directives Electronic Library websites.

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5. Effective Date. This NOTICE is effective upon SIGNATURE.

For the Chairman of the Joint Chiefs of Staff:

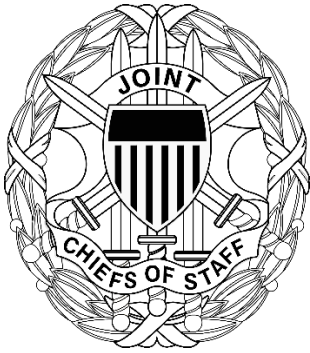
A handwritten signature in black ink, appearing to read 'Sean A. Neer', with a long horizontal flourish extending to the right.

SEAN A. NEER, CAPT, SC, USN  
Secretary, Joint Staff

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## CHAIRMAN OF THE JOINT CHIEFS OF STAFF INSTRUCTION



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### METEOROLOGICAL AND OCEANOGRAPHIC SUPPORT

#### References:

See Enclosure C

1. Purpose. This instruction provides policy guidance and assigns responsibilities for providing and implementing meteorological and oceanographic (METOC) capabilities in support of Combatant Commanders' (CCDRs) plans, training, and exercises. It provides direction, advice, assessments, and recommendations on METOC capability needs, non-material and material development, and functional management to support METOC requirements. In addition, this instruction provides the policy to manage and establish governance in support of outlined responsibilities. Lastly, this instruction establishes responsibilities for the Joint Staff (JS), Services, CCDRs, National Guard Bureau (NGB), and other activities regarding METOC capabilities to support and inform execution of Chairman of the Joint Chiefs of Staff (CJCS) responsibilities assigned in policy and statute.
2. Superseded. CJCS Instruction (CJCSI) 3810.01F, 23 April 2019, is hereby superseded.
3. Applicability. This instruction applies to the Joint Staff, Combatant Commands (CCMDs), Services, NGB, elements of the Intelligence Community (IC) that are designated Defense Agencies, and Combat Support Agencies (CSAs).
4. Policy. See Enclosure A.
5. Definitions. See Glossary Part II.
6. Responsibilities. See Enclosure B.
7. Summary of Changes. Updated for the standup of the U.S. Space Force (USSF) and U.S. Space Command (USSPACECOM). Removed sections related

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to CCDR roles and functions deemed more appropriately captured within METOC doctrine.

8. Releasability. UNRESTRICTED. This instruction is approved for public release; distribution is unlimited on Non-classified Internet Protocol Router Network (NIPRNET). Department of Defense (DoD) Components (to include CCMDs), other Federal agencies, and the public may obtain copies of this directive through the Internet from the CJCS Directives Electronic Library at <<https://www.jcs.mil/library>>. JS activities may also obtain access via the Secure Internet Protocol Router Network (SIPRNET) directives Electronic Library websites.

9. Effective Date. This INSTRUCTION is effective upon receipt.

For the Chairman of the Joint Chiefs of Staff:

A handwritten signature in black ink, appearing to read 'G. Wikoff', with a stylized flourish extending to the right.

GEORGE M. WIKOFF, RADM, USN  
Vice Director, Joint Staff

**Enclosures**

- A – Policy
- B – METOC Responsibilities
- C – References
- GL – Glossary

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U.S. Special Operations Command/USSOCOM J3  
U.S. Strategic Command/USSTRATCOM J3/METOC  
U.S. Transportation Command/USTRANSCOM J3/METOC  
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## ENCLOSURE A

### POLICY

1. Title 10, U.S. Code provides the foundation for this instruction. Reference a provides additional guidance for functions of the Joint Chiefs of Staff.
2. METOC information supports strategic, operational, and tactical level decisions, operations, and activities. This instruction prescribes the roles, responsibilities, and procedures for the CJCS (with support from the JS), CCMDs, Services, NGB, DoD Intelligence Components, and CSAs to leverage accurate, consistent, timely, and relevant METOC information to anticipate, exploit, and mitigate METOC effects to gain better situational understanding of the operational environment and manage risk.
3. Assessing and exploiting METOC effects on friendly and adversary military capabilities in all domains—air, land, maritime, space, information environment, including cyberspace, and the electromagnetic spectrum—allows U.S. military forces to gain and maintain an informational and positional advantage. This METOC asymmetric advantage should be leveraged across joint functions.
4. METOC information should be shared in accordance with governing laws, regulations, instructions, and other applicable guidance. Because of the small size of the METOC community, it is critical to synchronize efforts, find synergies and efficiencies, and integrate and collaborate resources.
5. The teaming approach of the JS Director for Operations, J-3 and JS Director for Intelligence, J-2 provides the operational community the requisite focus, responsiveness, and agility to identify and prioritize requirements and guide the development of METOC capabilities and their integration with command and control. The DJ-3 is the principal advisor to the CJCS on operational matters and serves as the operational sponsor, warfighter advocate, and JS OPR for METOC policy and process matters. The DJ-2 is the principal advisor to the CJCS on Battlespace Awareness requirements, capabilities, and integration, and serves as the capability sponsor and JS OPR for METOC requirements and capability development matters.
6. Joint METOC capability development will be transformative and focused on impact services to enable information and decision advantage.

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## ENCLOSURE B

### METOC RESPONSIBILITIES

1. Chairman of the Joint Chiefs of Staff (or JS personnel, when delegated)

a. Advises the Secretary of Defense (SecDef) on the extent to which METOC program recommendations, budget proposals, and manpower considerations of the Military Departments and other DoD Components conform to the priorities established in strategic plans and CCDR requirements (reference a).

b. Advises the SecDef on critical deficiencies and strengths in METOC capabilities identified during the preparation and review of joint plans, and assesses the effect of such deficiencies and strengths on meeting national security objectives, policies, and strategic plans (reference a).

c. Coordinates with civilian and military Capability Portfolio Managers for METOC to ensure support to the Joint Requirements Oversight Council (JROC), Joint Capabilities Integration and Development System, and the Defense Acquisition System to mitigate METOC capability gaps (reference b).

d. Assesses and validates joint METOC requirements through appropriate DoD and JS processes. Coordinates with DoD stakeholders to address evolving and emerging operational METOC requirements to achieve unity of effort and avoid duplication between the Military Departments (reference a).

e. Coordinates with the Under Secretary of Defense for Intelligence and Security (USD(I&S)) and the CCDRs on METOC capability gaps, requirements, and solutions for Defense Intelligence warfighting support to the CCMDs and DoD intelligence collection activities, platforms, and analysis capabilities (references c and d).

f. Coordinates with the Services, unified commanders, DoD laboratories, U.S. Government (USG) agencies, allies, and partners to fulfill shortfalls in METOC capabilities, meet requirements of the supported and supporting CCDRs, and protect METOC information and capabilities across the national security enterprise.

g. Resolves METOC issues through the JROC, Joint Capabilities Board, and Battlespace Awareness Functional Capabilities Board (FCB). Ensures METOC is addressed in other Joint Capability Area portfolios as appropriate (references e and f).

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h. Serves as the focal point for access, oversight, and management of adversary METOC-related intelligence. Coordinates with the USD(I&S) to engage relevant members of the IC to maintain information on threat METOC capabilities and provide environmental thresholds for adversary warfighting capabilities in all domains.

i. Integrates METOC capabilities and applications into CJCS strategy, plans, operations, doctrine, education, training exercises, and wargames.

j. Provides guidance on aspects that relate to the conduct of joint METOC operations. Develops and establishes METOC policy and doctrine for all aspects of the joint employment of the Armed Forces, including standardized guidance on release of METOC information to non-DoD agencies and foreign governments (reference a).

k. Serves as the functional focal point for coordination of METOC forces providing capabilities to support CCDRs, USG departments and agencies, state and local governments, and international partners as required.

l. Provides guidance for U.S. responses to international military standardization and interoperability requirements, to include the North Atlantic Treaty Organization Military Committee Working Group for Meteorology and Oceanography and subordinate panels (reference g).

m. Formulates policies and procedures for joint METOC training of the Armed Forces, including exercises and qualification of personnel for joint METOC billets. Develops, facilitates, and manages all aspects of the joint certified (0.5 Joint Qualified Officer point) Joint METOC Officer Course to educate, train, and develop METOC personnel to operate globally and integrate METOC capabilities within a Joint Force across multiple domains (references h and i).

n. Monitors implementation of CSA METOC recommendations (reference j).

o. Coordinates actions to ensure METOC is integrated in all information advantage activities (references k and l).

p. Validates CCDR/warfighter emerging or immediate METOC urgent need requests in order to support current and future operations.

q. Synchronizes the development of transformative joint METOC capabilities.

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## 2. The Services

a. Formulate and implement METOC-related policies and programs that support national security objectives and policies established by the President of the United States, the SecDef, and this instruction. Provide capabilities required to conduct METOC operations in support of joint exercises and operations. Field METOC systems that are compliant with DoD cybersecurity policy and interoperable with one another, and support command and control systems, allied, and coalition forces. Develop, strengthen, and sustain U.S. security requirements to protect METOC information.

b. Plan for the continued evolution of METOC operations, support, and services to meet requirements in coordination with the JS.

(1) Forward requests for interagency assets and/or personnel to the JS.

(2) Coordinate requests for METOC information with the JS and appropriate federal agencies.

c. Routinely cooperate and collaborate at all levels in the development of a joint METOC capability for use across the joint force. Strive to avoid duplication of effort, reduce cost to DoD, and deliver effective performance with affordability and speed to achieve national security objectives. Share research and development and operational resources, scientific methodologies, intellectual capital, and high performance computing to best develop the most effective joint METOC capability in support of Joint All Domain Operations. Provide an annual joint METOC capability portfolio review to the Battlespace Awareness FCB (references b and e).

d. Collaborate with DoD laboratories, USG agencies, and academia to fill shortfalls in METOC capabilities required to meet supported CCDR requirements.

e. Develop concepts, strategies, and doctrine, as well as tactics, techniques, and procedures (TTPs) to implement METOC capabilities in DoD plans and operations. Incorporate DoD METOC forces, missions, and capabilities into Joint and Service doctrine, professional military education, and training. Integrate METOC missions, capabilities, TTPs and the ability to operate against an adversary with enhanced METOC capabilities into Military Department war games, simulations, scenario development, experiments, and exercises.

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f. Ensure METOC activities and operations are relevant, agile, innovative, and at the speed required to generate METOC information advantage, enabling commanders to make decisions more rapidly than adversaries.

g. Provide, operate, and maintain the METOC capabilities and resources organic to their own organizations.

h. Identify the desired command relationship between Service-retained forces and the Joint Force Commander (JFC) they are tasked to support. Include the Senior METOC Officer (SMO) in this coordination and document the relationship in an official order, if necessary.

3. Chief of Staff, U.S. Army. In addition to the responsibilities outlined in paragraph 2, maintains and publishes a multi-Service policy directive with the U.S. Air Force (USAF), documenting U.S. Army (USA) responsibilities for METOC operations in support of the USA. Also responsible for fielding Army-developed weather capabilities (reference m).

4. Chief of Naval Operations. In addition to the responsibilities outlined in paragraph 2, responsible for:

a. METOC operations in support of all elements of the Department of the Navy (DON) and DoD Intelligence Components requiring U.S. Navy (USN) METOC capabilities (reference n).

b. Executing funding decisions made by the DON for the development and fielding of METOC equipment for the U.S. Marine Corps (USMC).

c. Oceanographic, hydrographic, and bathymetric operations and capabilities in support of all elements of the DoD.

d. Recruiting, organizing, training, equipping, and sustaining forces to provide and employ required METOC capabilities for the JFC to enable decisive operations across all domains and spectrums of conflict to achieve the desired end state.

e. Modeling and simulation (M&S) of the ocean environment in support of all elements of the DoD (reference o).

f. M&S of the atmosphere in support of maritime operations and other domains, as appropriate.

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g. Climate monitoring, analysis, and prediction capabilities for the atmosphere and ocean in support of maritime operations and other domains, as appropriate.

h. Providing ground- and sea-based environmental monitoring and impact characterization capabilities in support of USN operations.

i. Precise time and astrometry for all elements of the DoD (reference p).

5. Chief of Staff, U.S. Air Force. In addition to the responsibilities outlined in paragraph 2, responsible for:

a. Meteorological and relevant environmental geophysical operations in support of all elements of the Department of the Air Force (DAF), the USA, and DoD Intelligence Components requiring DAF METOC capabilities. Provide environmental monitoring and impact characterization capabilities in support of all elements of the DAF, the USA, DoD Intelligence Components, and CSAs. The Chief of Staff, USAF maintains and publishes a multi-Service policy directive with the USA, documenting USAF responsibilities for METOC operations in support of the USA (reference n).

b. Space weather monitoring, analysis, and prediction operations and capabilities in support of all elements of the DoD and DoD Intelligence Components.

c. Recruiting, organizing, training, equipping, and sustaining forces to provide and employ required METOC capabilities for the JFC to enable decisive operations across all domains and spectrums of conflict to achieve the desired end state.

d. M&S of the atmosphere in support of air, land, and other domains, as appropriate (reference o).

e. Climate monitoring, analysis, prediction, and projection capabilities for air, land, and space operations, and other domains, as appropriate.

f. Hydrology monitoring, analysis, prediction, and projection capabilities, to include streamflow modeling, soil moisture, and runoff in support of all elements of the DoD.

g. Aerial weather reconnaissance operations and capabilities in support of all elements of the DoD.

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6. Commandant of the U.S. Marine Corps. In addition to the responsibilities outlined in paragraph 2, responsible for:

- a. METOC operations in support of the USMC.
- b. Recruiting, organizing, training, and sustaining forces to provide and employ required METOC capabilities for the JFC to enable decisive operations across all domains and spectrums of conflict to achieve the desired end state.

7. Chief of Space Operations, U.S. Space Force. In addition to the responsibilities outlined in paragraph 2, responsible for:

- a. Acquiring and sustaining ground-based space environmental monitoring and space-based environmental monitoring in support of all elements of the DoD.
- b. M&S of the space environment in support of all elements of the DoD.
- c. Providing capabilities to characterize environmental impacts on space operations, systems, and services in support of all elements of the DoD.
- d. Providing facilities, training on USSF operations and capabilities, and administrative support for USAF Airmen conducting METOC support to the USSF.
- e. Providing funding for weather operations that support space operations as defined in applicable instructions and agreements.

8. Chief, National Guard Bureau. Responsible for requirements outlined in reference m. These responsibilities may be delegated to the Director, Army National Guard or Director, Air National Guard.

9. Commander, U.S. Special Operations Command. Responsible for acquiring interoperable special operations-unique METOC equipment and providing training to special operations METOC personnel that is beyond Service responsibility and capability.

10. Combatant Commanders

- a. Integrate METOC-related activities and capabilities into joint plans and processes within the area of responsibility (AOR) or functional responsibility.

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b. Request additional METOC capability, as required, to meet the JFC's METOC requirements. Prioritize METOC requirements to meet joint mission-based needs and effects, often in coordination with and conducted across joint areas of operation.

c. Factor METOC considerations and capabilities into multiple lines of effort (e.g., deterrence, space, nuclear, cyberspace, electronic warfare, information warfare, strike), enabling the CCCR's ability to coordinate and conduct operations across geographic/theater boundaries, and employ effective responses from a global, transregional, and multi-domain/multi-threat perspective.

d. Capture METOC requirements in Annex H (METOC Operations) to CCMD plans, or in other applicable documents (e.g., Operations Plans (OPLANS), Concept Plans, Concept of Operations (CONOPS), CCMD instructions, Joint Doctrine, CJCSIs) in accordance with reference q. Submit METOC support requirements through the METOC production centers' operations/command centers. CCRs may leverage METOC production centers' capabilities to receive timely support for Wartime, Crisis Operations, or Humanitarian Aid/Disaster Response requests.

e. Promulgate METOC guidance in base orders to ensure incorporation of globally integrated joint METOC production capabilities required across the competition continuum.

f. Integrate METOC capabilities and applications into training, exercises, experiments, contingency plans, and OPLANS, and plan for the employment of these capabilities (e.g., defensive, offensive, support of civil authorities) within their AOR.

g. Coordinate with U.S. regional and individual diplomatic missions, senior headquarters, allied or coalition forces, and other U.S. agencies, as required, to ensure all available METOC information and services, as well as indigenous data, information, and services, are properly considered, evaluated, protected, and, if deemed adequate for use, made available to the joint force.

h. Develop and disseminate to the JFC and Service Components a CONOPS that includes METOC support to joint operations. The CONOPS should include a METOC sensing strategy, developed by the SMO, to leverage and deconflict Service, Federal, and allied/coalition capabilities to maximize efficiencies and identify traditional and non-traditional sensing and data collection/sharing capabilities. Develop and exercise operational concepts and

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TTPs to continue operations and achieve assigned national security objectives in an environment in which METOC capabilities have been degraded or denied.

i. Integrate METOC capabilities, information, and considerations across all information advantage activities (references k and l).

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## ENCLOSURE C

### REFERENCES

- a. DoDD 5100.01, 21 December 2010 (Incorporating Change 1, 17 September 2020), “Functions of the Department of Defense and Its Major Components”
- b. CJCSI 5123.01 Series, “Charter of the Joint Requirements Oversight Council and Implementation of the Joint Capabilities Integration and Development System”
- c. DoDD 5143.01, 24 October 2014 (Incorporating Change 2, 6 April 2020), “Under Secretary of Defense for Intelligence and Security (USD(I&S))”
- d. DoDD 5143.02, 29 January 2020, “Deputy Under Secretary of Defense for Intelligence and Security (DUSD(I&S))”
- e. DoDD 7045.20, 25 September 2008 (Incorporating Change 2, 21 June 2019), “Capability Portfolio Management”
- f. JROC Memorandum 057-18, 7 June 2018, “2018 Refinement of the Joint Capability Area Taxonomy and Definitions”
- g. CJCSI 2700.01 Series, “Rationalization, Standardization, and Interoperability (RSI) Activities”
- h. Title 10, U.S. Code, Chapter 5, Section 153, 1 March 2012, “Chairman: Functions”
- i. CJCSI 3500.01 Series, “Joint Training Policy for the Armed Forces of the United States”
- j. DoDD 3000.06, 27 June 2013 (Incorporating Change 1, 8 July 2016), “Combat Support Agencies (CSAs)”
- k. CJCSM 3219.01 Series, “Interruption of Remote Sensing Space System Data Collection and Distribution During Periods of National Security Crisis”
- l. Joint Publication (JP) 3-85, 22 May 2020, “Joint Electromagnetic Spectrum Operations”
- m. Army Regulation 115-10/Air Force Instruction 15-157, 2 September 2021, “Weather Support for the U.S. Army”

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- n. DoDD 5240.01, 27 August 2007 (Incorporating Change 3, Effective 9 November 2020), “DoD Intelligence Activities”
- o. DoDD 5000.59, 8 August 2007 (Incorporating Change 1, Effective 15 October 2018), “DoD Modeling and Simulation (M&S) Management”
- p. CJCSI 6130.01, 3 June 2019, “2019 Chairman of the Joint Chiefs of Staff Master Positioning, Navigation, and Timing Plan”
- q. CJCSM 3130.03A, 4 February 2019 (Incorporating Change 1, Effective 18 October 2019), “Planning and Execution Formats and Guidance”

## RELATED

- 1. Title 10, U.S. Code, Section 113, “Secretary of Defense”
- 2. Title 10, U.S. Code, Section 181, “Joint Requirements Oversight Council”
- 3. Title 10, U.S. Code, Chapter 669, Section 7921, 11 December 2011, “Safety and Effectiveness Information; Hydrographic Information”
- 4. DoDD 3100.10, 30 August 2022, “Space Policy”
- 5. DoDD 5101.16E, 7 February 2020, “DoD Executive Agent (EA) for Support to the National Science Foundation (NSF) Office of Polar Programs (OPP)”
- 6. DoDI 5100.73, 1 December 2007 (Incorporating Change 2, 12 June 2012), “Major DoD Headquarters Activities”
- 7. JP 1, Volume 1, Reference Copy, 29 June 2020, “Joint Warfighting”
- 8. JP 1, Volume 2, 19 June 2020, “The Joint Force”
- 9. JP 2-0, 26 May 2022, “Joint Intelligence”
- 10. JP 3-0, 18 June 2022, “Joint Campaigns and Operations”
- 11. JP 3-08, 12 October 2016 (Validated 18 October 2017), “Interorganizational Cooperation”

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12. JP 3-59, 10 January 2018, "Meteorological and Oceanographic Operations"
13. JP 5-0, 1 December 2020, "Joint Planning"
14. JS Manual 5100.01F, 16 October 2020, "Organizations and Functions of the Joint Staff"
15. *Joint Meteorological & Oceanographic (METOC) Handbook*, 3 April 2013.

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## GLOSSARY

### PART I-ABBREVIATIONS AND ACRONYMS

*Items marked with an asterisk (\*) have definitions in PART II*

AOR	area of responsibility
CCDR	Combatant Commander
CCMD	Combatant Command
CJCS	Chairman of the Joint Chiefs of Staff
CJCSI	Chairman of the Joint Chiefs of Staff Instruction
CJCSM	Chairman of the Joint Chiefs of Staff Manual
CONOPS	Concept of Operations
CSA	Combat Support Agency
DAF	Department of the Air Force
DJ-2	Joint Staff Director for Intelligence
DJ-3	Joint Staff Director for Operations
DoD	Department of Defense
DoDD	Department of Defense Directive
DoDI	Department of Defense Instruction
DON	Department of the Navy
FCB	Functional Capabilities Board
IC	Intelligence Community
JFC	Joint Force Commander
JP	Joint Publication
JROC	Joint Requirements Oversight Council
JS	Joint Staff
M&S	modeling and simulation
METOC*	Meteorological and Oceanographic
NIPR	Non-classified Internet Protocol Router
OPLANS	Operations Plans
SIPR	Secure Internet Protocol Router
SMO	Senior METOC Officer
TTP	tactics, techniques, and procedures

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USA  
USAF  
USG  
USMC  
USN  
USSF

U.S. Army  
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U.S. Government  
U.S. Marine Corps  
U.S. Navy  
U.S. Space Force

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## PART II-DEFINITIONS

Unless otherwise stated, the terms and definitions contained in this glossary are for the purposes of this document only.

Atmospheric Environment. The envelope of air surrounding the Earth, including its interfaces and interactions with the Earth's solid or liquid surface.

Climate Prediction. Prediction of how large-scale atmospheric patterns will deviate from a base reference period (climate normal) on temporal scales ranging from weeks to one year. Upon approval of this issuance, this term and its definition is proposed for addition to the DoD Dictionary.

Climate Projection. A simulated response of the climate system to a scenario of future emission or concentration of greenhouse gases and aerosols, generally derived using climate models. Climate projections are distinguished from climate predictions by their dependence on the emission, concentration, or radiative forcing scenario used, which is in turn based on assumptions concerning, for example, future socioeconomic and technological developments that may or may not be realized. Climate projections are generally applicable beyond 10 years, except in the Arctic where projections should be used beyond 5 years. Upon approval of this issuance, this term and its definition is proposed for addition to the DoD Dictionary.

Environmental Geophysics. Earth science concerned with the physical processes of the Earth and surrounding environment.

Environmental Monitoring. The equipment and processes required to observe and characterize the natural space and terrestrial environments and the resulting impacts on operations.

METOC. A term used to convey environmental factors, from the sub-bottom of the Earth's oceans through maritime, land areas, airspace, ionosphere, and into space.

METOC Forces and/or Personnel. Personnel trained to conduct meteorological, oceanographic, or space environmental operations. This does not imply individual personnel are capable of performing all three aspects of METOC operations.

METOC Information. Actionable information to include meteorological, climatological, oceanographic, geophysical, and space environment

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observations, analyses, prognostic data or products, and meteorological and oceanographic effects.

METOC Operations. Characterizing the past, current, or future state of the meteorological, oceanographic, geophysical, or space environment and/or exploiting that information.

METOC Production Center. A unit or other entity that produces METOC products, as required by the supported JFC, on a schedule established by the SMO or Joint METOC Officer and best supports the JFC decision cycle.

Military Hydrology. A specialized field of hydrology that deals with those characteristics of surface and subsurface water that may affect the planning and conduct of military operations.

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