

11. Integrate cybersecurity into space operations and capabilities to retain positive control of space systems and verify the integrity of critical functions, missions, and services they provide;

12. Improve, develop, integrate, demonstrate, and proliferate in cooperation with relevant interagency, international, intergovernmental, and commercial entities, space domain awareness capabilities to predict, detect, warn, characterize, and attribute human-caused and naturally occurring activities that pose threats to space systems of United States interest;

13. Provide to the Department of Commerce and other agencies, as necessary, SSA information that supports national security, civil, and human space flight activities, planetary defense from hazardous near-Earth objects, and commercial and allied space operations;

14. Collaborate with allies and partners actively engaging in space security and intelligence operations to incentivize and institute mechanisms for the exchange of relevant space, and space-related information; and

15. Collaborate with the Secretaries of Commerce and Energy, the Administrator of NASA, and the heads of other relevant agencies to periodically review the health and competitiveness of the United States space industrial base to determine whether the domestic space industry can meet the technical requirements, production, and service of national security space programs.

(e) **Department of Defense.**

i. The Secretary of Defense shall:

1. Defend the use of space for United States national security purposes, the United States economy, allies, and partners;

2. Protect freedom of navigation and preserve lines of communication that are open, safe, and secure in the space domain;

3. Ensure that space capabilities are of sufficient capability and capacity to enable decisive offensive and defensive space operations vital to defending United States, allied, and partner interests in space while continuing to sustain support to joint operations;

4. Conduct operations in, from, and through space to deter conflict, and if deterrence fails, to defeat aggression while protecting and defending United States vital interests with allies and partners;

5. Provide, as launch agent for the Department of Defense and the Intelligence Community, affordable and timely space access for national security purposes while using commercial space capabilities and services to the maximum practical extent;

6. Develop, as launch agent for the Department of Defense and the Intelligence Community, rapid launch options to reinforce or to reconstitute priority national security space capabilities in times of crisis and conflict and that, when practicable and appropriate, leverage commercial capabilities;

7. Detect, characterize, warn, attribute, and respond to, in coordination with the Secretary of State and other relevant agencies, space-related behaviors and activities that threaten the space interests of the United States, its allies, or partners, international peace and security, or the long-term sustainability of the space environment;

8. Periodically conduct policy-driven, threat-informed, strategically-focused space posture reviews and assessments that encompass military, diplomatic, informational, and economic aspects of posture, including evaluation of the suitability of U.S. Government, commercial industry, and international space architectures to deliver effective and integrated deterrence and compellence solutions; and

9. Develop, acquire, and operate space intelligence capabilities to support joint operations.

(f) **Intelligence Community.**

i. The Director of National Intelligence shall:

1. Enhance foundational scientific and technical intelligence collection and single and all-source intelligence analysis;

2. Coordinate with the Secretary of Defense to ensure necessary and sufficient intelligence support for acquisition, operations, and defense of space capabilities;

3. Develop, obtain, and operate space intelligence capabilities to support strategic goals, intelligence priorities, and assigned tasks;

4. Provide robust, timely, and effective collection, processing, analysis, and dissemination of information on foreign space capabilities and threats and supporting information system activities;

5. Integrate all-source intelligence of foreign space capabilities and intentions to produce enhanced intelligence products that support space domain awareness;

6. Support monitoring, compliance, and verification for transparency and confidence-building measures and, if applicable, arms control agreements;

7. Ensure Intelligence Community equities are represented and reviewed in United States Government radio frequency deliberations; and

8. Promote counterintelligence and security partnerships and practices within the commercial, civil, and national security space communities.

SEC. 6. *General Provisions.* (a) Nothing in this memorandum shall be construed to impair or otherwise affect:

(i) the authority granted by law to an executive department or agency, or the head thereof; or

(ii) the functions of the Director of the Office of Management and Budget relating to budgetary, administrative, or legislative proposals.

(b) This memorandum shall be implemented consistent with applicable law and subject to the availability of appropriations.

(c) This memorandum is not intended to, and does not, create any right or benefit, substantive or procedural, enforceable at law or in equity by any party against the United States, its departments, agencies, or entities, its officers, employees, or agents, or any other person.

(d) The Secretary of Commerce is authorized and directed to publish this memorandum in the Federal Register.

DONALD J. TRUMP.

§ 20103. Definitions

In this chapter:

(1) **AERONAUTICAL AND SPACE ACTIVITIES.**—The term “aeronautical and space activities” means—

(A) research into, and the solution of, problems of flight within and outside the Earth’s atmosphere;

(B) the development, construction, testing, and operation for research purposes of aeronautical and space vehicles;

(C) the operation of a space transportation system including the space shuttle, upper stages, space platforms, and related equipment; and

(D) such other activities as may be required for the exploration of space.

(2) **AERONAUTICAL AND SPACE VEHICLES.**—The term “aeronautical and space vehicles” means aircraft, missiles, satellites, and other space

vehicles, manned and unmanned, together with related equipment, devices, components, and parts.

(Pub. L. 111-314, §3, Dec. 18, 2010, 124 Stat. 3332.)

HISTORICAL AND REVISION NOTES

Revised Section	Source (U.S. Code)	Source (Statutes at Large)
20103	42 U.S.C. 2452.	Pub. L. 85-568, title I, §103, July 29, 1958, 72 Stat. 427; Pub. L. 98-52, title I, §108, July 15, 1983, 97 Stat. 285.

In paragraph (1)(A), the word “Earth’s” is capitalized for consistency in title 51.

SUBCHAPTER II—COORDINATION OF AERONAUTICAL AND SPACE ACTIVITIES

§ 20111. National Aeronautics and Space Administration

(a) ESTABLISHMENT AND APPOINTMENT OF ADMINISTRATOR.—There is established the National Aeronautics and Space Administration. The Administration shall be headed by an Administrator, who shall be appointed from civilian life by the President by and with the advice and consent of the Senate. Under the supervision and direction of the President, the Administrator shall be responsible for the exercise of all powers and the discharge of all duties of the Administration and shall have authority and control over all personnel and activities thereof.

(b) DEPUTY ADMINISTRATOR.—There shall be in the Administration a Deputy Administrator, who shall be appointed from civilian life by the President by and with the advice and consent of the Senate. The Deputy Administrator shall perform such duties and exercise such powers as the Administrator may prescribe. The Deputy Administrator shall act for, and exercise the powers of, the Administrator during the Administrator’s absence or disability.

(c) RESTRICTION ON OTHER BUSINESS OR EMPLOYMENT.—The Administrator and the Deputy Administrator shall not engage in any other business, vocation, or employment while serving as such.

(Pub. L. 111-314, §3, Dec. 18, 2010, 124 Stat. 3332.)

HISTORICAL AND REVISION NOTES

Revised Section	Source (U.S. Code)	Source (Statutes at Large)
20111	42 U.S.C. 2472.	Pub. L. 85-568, title II, §202, July 29, 1958, 72 Stat. 429; Pub. L. 88-426, title III, §305(12), Aug. 14, 1964, 78 Stat. 423.

Statutory Notes and Related Subsidiaries

AGENCY INFORMATION TECHNOLOGY AND CYBERSECURITY

Pub. L. 115-10, title VIII, §§811-813, Mar. 21, 2017, 131 Stat. 58-60, provided that:

“SEC. 811. INFORMATION TECHNOLOGY GOVERNANCE.

“(a) IN GENERAL.—The Administrator [of the National Aeronautics and Space Administration] shall, in a manner that reflects the unique nature of NASA [National Aeronautics and Space Administration]’s mission and expertise—

“(1) ensure the NASA Chief Information Officer, Mission Directorates, and Centers have appropriate

roles in the management, governance, and oversight processes related to information technology operations and investments and information security programs for the protection of NASA systems;

“(2) ensure the NASA Chief Information Officer has the appropriate resources and insight to oversee NASA information technology and information security operations and investments;

“(3) provide an information technology program management framework to increase the efficiency and effectiveness of information technology investments, including relying on metrics for identifying and reducing potential duplication, waste, and cost;

“(4) improve the operational linkage between the NASA Chief Information Officer and each NASA mission directorate, center, and mission support office to ensure both agency and mission needs are considered in agency-wide information technology and information security management and oversight;

“(5) review the portfolio of information technology investments and spending, including information technology-related investments included as part of activities within NASA mission directorates that may not be considered information technology, to ensure investments are recognized and reported appropriately based on guidance from the Office of Management and Budget;

“(6) consider appropriate revisions to the charters of information technology boards and councils that inform information technology investment and operation decisions; and

“(7) consider whether the NASA Chief Information Officer should have a seat on any boards or councils described in paragraph (6).

“(b) GAO STUDY.—

“(1) STUDY.—The Comptroller General of the United States shall conduct a study of the effectiveness of the Administration’s Information Technology Governance in ensuring information technology resources are aligned with agency missions and are cost effective and secure.

“(2) CONTENTS.—The study shall include an assessment of—

“(A) the resources available for overseeing Administration-wide information technology operations, investments, and security measures and the NASA Chief Information Officer’s visibility and involvement into information technology oversight and access to those resources;

“(B) the effectiveness and challenges of the Administration’s information technology structure, decision making processes and authorities, including impacts on its ability to implement information security; and

“(C) the impact of NASA Chief Information Officer approval authority over information technology investments that exceed a defined monetary threshold, including any potential impacts of such authority on the Administration’s missions, flights programs and projects, research activities, and Center operations.

“(3) REPORT.—Not later than 1 year after the date of enactment of this Act [Mar. 21, 2017], the Comptroller General shall submit to the appropriate committees of Congress [Committee on Science, Space, and Technology of the House of Representatives and Committee on Commerce, Science, and Transportation of the Senate] a report detailing the results of the study under paragraph (1), including any recommendations.

“SEC. 812. INFORMATION TECHNOLOGY STRATEGIC PLAN.

“(a) IN GENERAL.—Subject to subsection (b), the Administrator [of the National Aeronautics and Space Administration] shall develop an information technology strategic plan to guide NASA [National Aeronautics and Space Administration] information technology management and strategic objectives.

“(b) REQUIREMENTS.—In developing the strategic plan, the Administrator shall ensure that the strategic plan addresses—