

# DEPARTMENT OF THE AIR FORCE



## Fiscal Year (FY) 2021 Budget Estimates

February 2020

OPERATION AND MAINTENANCE, SPACE FORCE  
Overview Exhibits

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**DEPARTMENT OF THE AIR FORCE  
Fiscal Year (FY) 2021 Budget Estimates  
Operation and Maintenance, Space Force  
Command, Control, and Communication**

<u>Appropriation Summary</u>	<u>FY 2019 Actuals</u>	<u>Price Change</u>	<u>Program Change</u>	<u>FY 2020 Enacted</u>	<u>Price Change</u>	<u>Program Change</u>	<u>FY 2021 Request</u>
Operation and Maintenance, Space Force	0.0	0.0	0.0	0.0	0.0	929.0	929.0

**Description of Operations Financed**

Command, Control, and Communication (C3) enables warfighters to quickly and effectively plan, schedule, employ, and sustain operations necessary for operational and tactical forces. Command and Control programs allows the Space Force to provide Department of Defense with real time control of warfighting. Funding supports several critical space missions, including: Military Satellite Communications (MILSATCOM), Shared Early Warning, Space Defense Interface Network, Space System Support, Tactical Warning and Attack Assessment (TW/AA), Ballistic Missile Early Warning System (BMEWS), Submarine-Launched Ballistic Missile (SLBM) Radar Warning System, Nuclear Detonation (NUDET) Detection System, Space-based Infrared System (SBIRS), and Space Training Education and Professional Development. The Space Force implements numerous C3 operations in order to meet the serious and growing threat of attacks from adversarial countries. Overall, C3 supports development of a survivable communications capability for worldwide command and control of communications during attack periods.

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<b><u>Program Data</u></b>	<b><u>FY 2019</u></b>	<b><u>Price</u></b>	<b><u>Program</u></b>	<b><u>FY 2020</u></b>	<b><u>Price</u></b>	<b><u>Program</u></b>	<b><u>FY 2021</u></b>
<b>Command and Control</b>	<b>Actuals</b>	<b>Change</b>	<b>Change</b>	<b>Enacted</b>	<b>Change</b>	<b>Change</b>	<b>Request</b>
National	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operational	0.0	0.0	0.0	0.0	0.0	138.7	138.7
Tactical	0.0	0.0	0.0	0.0	0.0	790.3	790.3
<b>C3 Related</b>							
Navigation	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>929.0</b>	<b>929.0</b>

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Command, Control, and Communication**

**Narrative Explanation of Changes (FY 2020 to FY 2021):**

**1) Command and Control**

**National**

**Operational**

Transfers In:

- \$41.1 Million increase Global C3I & Early Warning SAG 12A for space-related programs that were deemed necessary by the Secretary of the Air Force to support the operational standup of the new U.S. Space Force.
- \$1.9 Million increase Education and Training SAG 13E for space-related programs that were deemed necessary by the Secretary of the Air Force to support the operational standup of the new U.S. Space Force.
- \$73.7 Million increase Contractor Logistics Support & System Support SAG 13W for space-related programs that were deemed necessary by the Secretary of the Air Force to support the operational standup of the new U.S. Space Force.

Program Increases:

- \$22.0 Million increase in Global C3I & Early Warning SAG 12A for Integrated Tactical Warning and Attack Assessment Sustainment (ITWAA) which provides decision making for warning and attack assessment of air, missile, and space threats to North America and geographic theaters.

**Tactical**

Transfers In:

- \$1.5 Million increase for Global C3I & Early Warning SAG 12A for the transfer of commercial satellite communications (COMSATCOM), which provides services for the joint force, from Defense Information Systems Agency (DISA) to Department of the Air Force.
- \$202.9 Million increase Global C3I & Early Warning SAG 12A for space-related programs that were deemed necessary by the Secretary of the Air Force to support the operational standup of the new U.S. Space Force.
- \$135.6 Million increase Depot Maintenance SAG 13M for space-related programs that were deemed necessary by the Secretary of the Air Force to support the operational standup of the new U.S. Space Force.
- \$450.3 Million increase Contractor Logistics Support & System Support SAG 13W for space-related programs that were deemed necessary by the Secretary of the Air Force to support the operational standup of the new U.S. Space Force.

**2) C3 Related**

**Navigation**

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Operation and Maintenance, Space Force  
Introductory Statement**

<b><u>Appropriations Summary</u></b>	<b><u>FY 2019 Actuals</u></b>	<b><u>Price Change</u></b>	<b><u>Program Change</u></b>	<b><u>FY 2020 Enacted</u></b>	<b><u>Price Change</u></b>	<b><u>Program Change</u></b>	<b><u>FY 2021 Request</u></b>
Operation and Maintenance, Space Force	0.0	0.0	40.0	40.0	0.7	2,490.6	2,531.3

**Description of Operations Financed:**

Operation and Maintenance (O&M) appropriation funds are used to operate, sustain, and maintain spacelift operations, Department of Defense satellites, and many of the Air Force's ground-based and space-based space systems; organize, train, and equip Space Warriors; provide pay and benefits for civilian personnel; and purchase day-to-day supplies and equipment. O&M resources support essential combat enablers such as: intelligence, weather, and civilian pay. The FY 2021 budget supports the National Defense Strategy, complies with the Defense Department's fiscal guidance, and supports the Space Force Mission.

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Introductory Statement**

**Overall Assessment:**

The mission of the United States Space Force is to organize, train, and equip military space forces of the United States to provide: freedom of operation in, from, and to the space domain; and prompt and sustained space operations. Space is fundamental to U.S. prosperity and national security – unfettered access to and freedom to operate in space is a vital national interest. China, Russia, and other potential adversaries are developing strategies, organizations, and capabilities to exploit possible U.S. vulnerabilities in space, and as a result, space is now considered a warfighting domain. Due to the fundamental changes in many longstanding assumptions in the space domain, the U.S. faces a challenge and must change the approach in order to aggressively pursue the capabilities required to maintain dominance in space. The U.S. must be prepared to protect and fight from the ultimate high ground, delivering warfighter capabilities and defending them from adversary action. The establishment of United States Space Force represents a dedicated military service that unifies, focuses, and accelerates the development of doctrine, capabilities, and expertise to outpace future threats. The United States Space Force will protect and defend the highly capable satellite systems that were built to last years and are not easily replaced; protect existing systems while designing new ones to defend themselves; develop a broad range of defensive and offensive options; and field robust and resilient space systems.

The Fiscal Year 2020 National Defense Authorization Act (FY 2020 NDAA), enacted on December 20, 2019, established the U.S. Space Force as a separate branch of the Armed Forces within the Department of the Air Force. FY 2020 funding included the resources necessary to establish the initial elements of the Space Force headquarters in order to posture the force to effectively and efficiently execute its missions. We are appreciative for the initial budget that facilitated the establishment of the Space Force headquarters. The growth in FY 2021 postures the headquarters a step closer to final operational capability and ownership of several mission sets that will transfer over from the Air Force.

The United States Space Force O&M budget request totals \$2.5 billion. The budget funds: Global Command, Control, Communication, Intelligence, and Early Warning (C3I & Early Warning), Space Launch Operations, Space Operations, Education & Training, Depot Maintenance, and Contractor Logistics Support & Systems Support. The resources requested for FY 2021 allows the Space Force to build an exceptional force with next-generation space warfighting capabilities. Investing in the U.S. Space Force will allow the Department to build a new military service capable of deterring aggression, providing freedom of operations, and enabling the joint warfighter. Legally establishing the U.S. Space Force does not guarantee the United States preeminence in the space domain—the nation must commit sufficient and appropriate resources to properly accomplish its assigned responsibilities.

<b><u>Budget Activity</u></b>	<b><u>FY 2019 Actuals</u></b>	<b><u>Price Change</u></b>	<b><u>Program Change</u></b>	<b><u>FY 2020 Enacted</u></b>	<b><u>Price Change</u></b>	<b><u>Program Change</u></b>	<b><u>FY 2021 Request</u></b>
Operating Forces (BA-01)	0.0	0.0	0.0	0.0	0.0	2,398.8	2,398.8

This activity includes operational Space Force functions. These consist of space launch capabilities to send payloads into earth orbits. Continual maintenance for communication equipment for space-based platforms, ballistic missile early warning radar systems, and management readiness and sustainment of Air Force weather systems with space environmental capabilities.

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**Budget Activity 01: Operating Forces - Major Program Changes:**

The FY 2021 Operating Forces budget request of \$2,398.8 million represents a program change of \$2,398.8 million. The increase in funding was the result of a transfer of space related requirements from the Operation and Maintenance, Air Force account in order to support the operational establishment of the U.S. Space Force. BA01 will be Space Force's primary account that supports daily space operations, training support, and space related weapons system sustainment. Detailed changes by Subactivity Group are provided in the OP-5 section of the J-Book.

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Administration and Servicewide Activities (BA-04)	0.0	0.0	40.0	40.0	0.7	91.8	132.5

BA04 funds broad mission areas integral to Space Force readiness, effective leadership, efficient management, and adequate support to units and personnel. Budget Activity 04 also provides personnel support functions and fulfills a broad range of essential needs to sustain mission capability, quality of life, and workforce productivity.

**Budget Activity 04: Administration and Servicewide Activities - Major Program Changes:**

The FY 2021 Administration and Servicewide Activities budget request of \$132.5M represents a program starting point for Space Force activities. BA04 focuses on service wide activities such as communication and personnel support systems. Detailed changes by Subactivity Group are provided in the OP-5 section of the J-Book.

