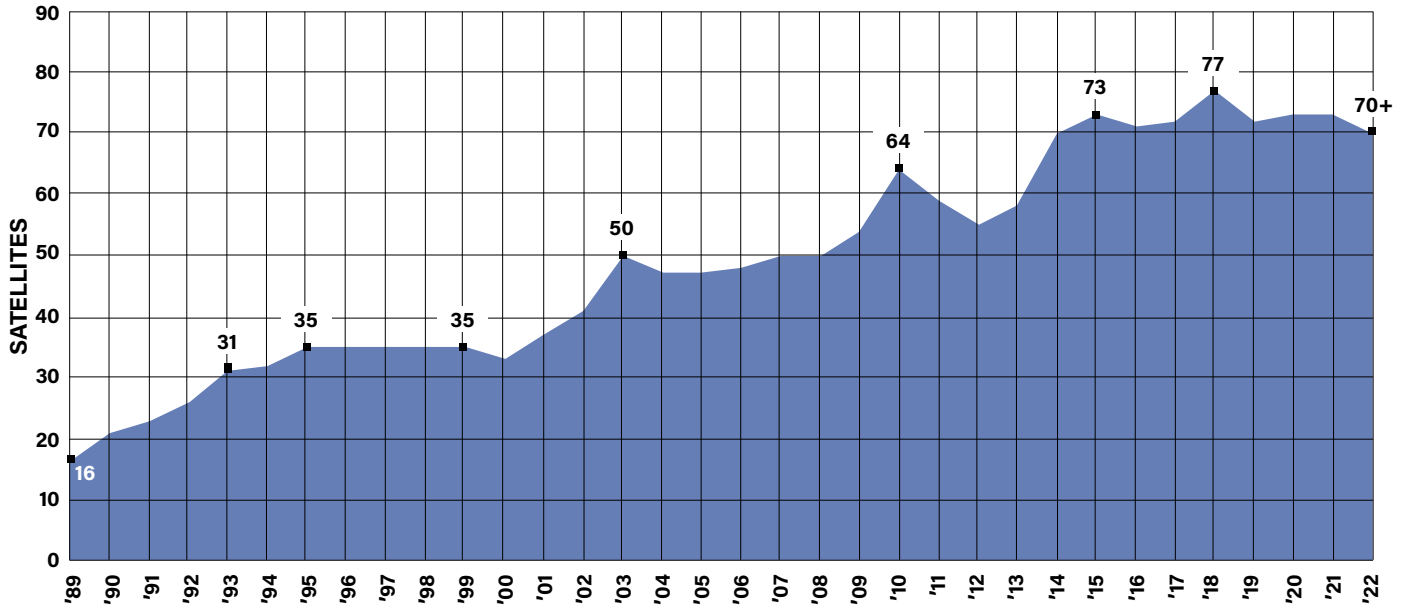




U.S. SPACE FORCE

The U.S. Space Force was created on Dec. 20, 2019. The Space Force exists as a separate military service within the Department of the Air Force, with its own service chief. The Chief of Space Operations is a member of the Joint Chiefs of Staff.

TOTAL SATELLITES OVER TIME



U.S. SPACE FORCE BUDGET SUMMARY

(\$ billions)

Funding	2022 (Estimated)	2023 (Requested)
Operations & Maintenance	\$3.4	\$4.0
Research, Development, Test & Evaluation	11.3	15.8
Military Personnel		1.0
Procurement	2.8	3.6
Total	17.4	24.5
Authorized Manpower	2022 (Enacted)	2023 (Requested)
Military	8,400	8,600
Civilian	4,364	4,927
Total Force Personnel	12,764	13,527

Source: Fiscal 2023 Department of the Air Force Budget Overview

SPACE FORCE PERSONNEL BY AFSC AND SEX

Enlisted

CAFSC	Female		Male		Total	
	#	%	#	%	#	%
1C6-Space Sys Ops	164	5.64	817	28.10	981	33.75
1N0-All Source Intelligence Anlst	64	2.20	142	4.88	206	7.09
1N1-Imagery Analysis	12	0.41	6	0.21	18	0.62
1N2-Signals Intel Analysis	60	2.06	218	7.50	278	9.56
1N4-Network Intel Analysis	32	1.10	41	1.41	73	2.51
1N8-Targeting Anlst	4	0.14	9	0.31	13	0.45
3D0-Operations Manager	84	3	310	10.66	394	13.55
3D1-Cyberspace Support Manager	116	3.99	780	27	896	30.82
9E0-Command CMSgt	0	0.00	2	0.07	2	0.07
9G1-Group Senior Enl Leader	0	0.00	1	0.03	1	0.03
Unknown	4	0.14	41	1.41	45	1.55
Total Space Force Enlisted	540	18.58	2,367	81.42	2,907	100

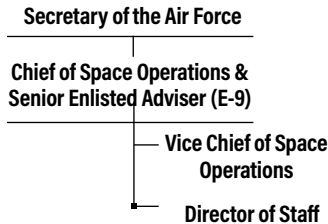
Officer

Core AFSC	Female		Male		Total	
	#	%	#	%	#	%
13A-Astronaut	0	0	2	0.05	2	0.05
13S-Space Ops	376	10.28	1,324	36.21	1,700	46.50
14N-Intelligence	47	1	91	2.49	138	3.77
17D-Warfighter Comm Ops	26	1	124	3.39	150	4.10
17S-Cyberspace Effects Ops	3	0.08	15	0.41	18	0.49
62E-Development Engineer	114	3.12	859	23.50	973	26.61
63A-Acquisition Manager	108	3	529	14.47	637	17.42
90G-General Officer	2	0.05	16	0.44	18	0.49
Unknown	4	0.11	16	0.44	20	0.55
Total Space Force Officer	680	18.60	2,976	81.40	3,656	100



Gen. John W. "Jay" Raymond, Chief of Space Operations

Headquarters: Pentagon, Va.
Date of current designation: Dec. 20, 2019



Chief Master Sgt. Roger A. Towberman, Senior Enlisted Leader

USSF PERSONNEL

Active Duty as of Dec. 20, 2020	
Active duty entering via transfers and accessions:	2,253
Selects**:	6,111

*As of Dec. 20, 2020
 **Does not guarantee transfer

CAREER FIELDS

Space Force began accepting transfers Sept. 1, 2020, in the following career fields:

Enlisted		Officer	
1C6	Space Systems Operations	13S	Space Operations
1NX	Space Intelligence	14N	Space Intelligence
3D0	Cyber Operations Officer	17D	Cyber Operations
		17X	Cyber Warfare
		63A	Acquisitions
		62E	Acquisitions Engineer

FIELD COMMANDS



Space Operations Command

Headquarters: Peterson SFB, Colo.
Date of activation: Oct. 21, 2020
Commander: Lt. Gen. Stephen N. Whiting

MAJOR UNITS	LOCATION	MISSION
Space Delta 2	Peterson SFB, Colo.	Space domain space awareness
Space Delta 3	Peterson SFB, Colo.	Electronic warfare
Space Delta 4	Buckley SFB, Colo.	Missile warning
Space Delta 5	Vandenberg SFB, Calif.	Operational level command and control
Space Delta 6	Schriever SFB, Colo.	Satellite control network, defensive
Space Delta 7	Peterson SFB, Colo.	ISR
Space Delta 8	Schriever SFB, Colo.	SATCOMS, position, navigation, timing
Space Delta 9	Schriever SFB, Colo.	Defensive ops, Space domain awareness
Buckley Garrison	Buckley SFB, Colo.	Mission support



Space Systems Command

Headquarters: Los Angeles AFB, Calif.
Date of activation: Aug. 13, 2021
Commander: Lt. Gen. A. Michael Guetlein

MAJOR UNITS*	LOCATION	MISSION
Four Corps: Atlas/Development/Production/Enterprise	Los Angeles AFB, Calif.	Acquisition
Space Development Agency**	Pentagon	Acquisition
Space Launch Delta 30	Vandenberg SFB, Calif.	Space launch, ICBM test, launch range operations
Space Launch Delta 45	Patrick SFB, Fla.	Space launch, launch range operations
Space Rapid Capabilities Office	Kirtland AFB, N.M.	Acquisition



Space Training and Readiness Command

Headquarters: Peterson SFB, Colo.
Date of activation: Aug. 23, 2021
Commander: Maj. Gen. Shawn N. Bratton

MAJOR UNITS*	LOCATION	MISSION
Space Delta 1	Vandenberg SFB, Calif.	Space training
25th Space Range Squadron	Schriever SFB, Colo.	Operates the space test and training range
527th Space Aggressor Squadron	Schriever SFB, Colo.	Simulates adversary threats for training
705th Combat Training Squadron Operating Location Alpha	Schriever SFB, Colo.	Virtual exercises
National Security Space Institute	Peterson SFB, Colo.	Space education and training
USAF Warfare Center, Detachment 1	Schriever SFB, Colo.	Operational test and evaluation, tactics development, and training

*Partial list as known at press time
 **Transfers from the Office of the Secretary of Defense to USSF before fiscal 2023.

USSF HISTORICAL LINEAGE

The U.S. Space Force traces its roots to the beginning of the Cold War, with the first Air Force space programs starting in 1945. USAF's Western Development Division, under Gen. Bernard A. Schriever, was established in 1954 as the first dedicated space organization within the U.S. Armed Forces. Military space forces were organized under several different Air Force major commands until they were unified when Air Force Space Command was established in September 1982. In December 2019, AFSPC became the cornerstone for the U.S. Space Force as a separate military branch. Below, we trace space organizational lineage within the Department of the Air Force. Because the space mission was—and to some extent still is—spread across several commands, offices, organizations, divisions, and services, some entries are concurrent and non-USAF organizations are not listed. This Space Force history is not intended to be all-inclusive.

WESTERN DEVELOPMENT DIVISION

Gen. Bernard A. Schriever	July 1, 1953	May 31, 1957
---------------------------	--------------	--------------

AIR FORCE BALLISTIC MISSILE DIVISION

Gen. Bernard A. Schriever	June 1, 1957	April 24, 1959
Maj. Gen. Osmond J. Ritland	April 25, 1959	March 31, 1961

SPACE AND MISSILE SYSTEMS ORGANIZATION

Lt. Gen. John W. O'Neill	July 1, 1967	Aug. 31, 1969
Lt. Gen. Samuel C. Phillips	Sept. 1, 1969	Aug. 24, 1972
Lt. Gen. Kenneth W. Schultz	Aug. 25, 1972	Aug. 28, 1975
Lt. Gen. Thomas W. Morgan	Aug. 29, 1975	April 28, 1978
Lt. Gen. Richard C. Henry	April 29, 1978	Sept. 30, 1979

SPACE DIVISION

Lt. Gen. Richard C. Henry	Oct. 1, 1979	May 1, 1983
Lt. Gen. Forrest S. McCartney	May 1, 1983	Sept. 30, 1986
Lt. Gen. Aloysius G. Casey	Oct. 9, 1986	June 23, 1988
Lt. Gen. Donald L. Cromer	June 24, 1988	March 14, 1989

BALLISTIC MISSILE OFFICE

Maj. Gen. John W. Hepfer	Oct. 1, 1979	Oct. 31, 1980
Maj. Gen. Forrest S. McCartney	Oct. 31, 1980	May 19, 1982
Maj. Gen. Aloysius G. Casey	May 19, 1982	Sept. 30, 1986
Maj. Gen. Edward P. Berry Jr.	Sept. 30, 1986	March 14, 1989

SPACE SYSTEMS DIVISION (SSD) AND BALLISTICS SYSTEM DIVISION (BSD)

Lt. Gen. Donald L. Cromer (SSD)	March 15, 1989	May 31, 1991
Lt. Gen. Edward P. Barry Jr. (SSD)	July 8, 1991	June 30, 1992
Lt. Gen. Edward P. Barry Jr. (BSD)	March 15, 1989	May 30, 1989
Brig. Gen. Ralph G. Tourino (BSD)	May 30, 1989	May 4, 1990

SPACE AND MISSILE SYSTEMS CENTER

Lt. Gen. Edward P. Barry Jr.	July 1, 1992	Nov. 16, 1994
Lt. Gen. Lester L. Lyles	Nov. 16, 1994	Aug. 18, 1996

SPACE SYSTEMS DIVISION (SSD) AND BALLISTIC SYSTEMS DIVISION (BSD)

Maj. Gen. Osmond J. Ritland (SSD)	April 1, 1961	May 13, 1962
Lt. Gen. Howell M. Estes Jr. (SSD)	May 14, 1962	Oct. 2, 1962
Maj. Gen. Ben I. Funk (SSD)	Oct. 3, 1962	Aug. 31, 1966
Maj. Gen. Paul T. Cooper (SSD)	Sept. 1, 1966	June 30, 1967
Maj. Gen. Thomas P. Gerrity (BSD)	April 1, 1961	June 30, 1962
Lt. Gen. W. Austin Davis (BSD)	July 1, 1962	July 18, 1964
Maj. Gen. Harry Sands Jr. (BSD)	July 20, 1966	June 30, 1967
Maj. Gen. John L. McCoy (BSD)	July 20, 1966	June 30, 1969

SPACE AND MISSILE SYSTEMS CENTER

Lt. Gen. Roger G. DeKok	Aug. 18, 1996	Aug. 12, 1998
Lt. Gen. Eugene L. Tattini	Aug. 13, 1998	May 25, 2001
Lt. Gen. Brian A. Arnold	May 25, 2001	May 20, 2005
Lt. Gen. Michael A. Hamel	May 20, 2005	May 16, 2008
Lt. Gen. John T. Sheridan	May 16, 2008	June 3, 2011
Lt. Gen. Ellen M. Pawlikowski	June 3, 2011	June 19, 2014
Lt. Gen. Samuel A. Greaves	Jun 19, 2014	March 22, 2017
Lt. Gen. John F. Thompson	March 22, 2017	Aug. 1, 2021



Gen. Bernard A. Schriever was the chief architect of the U.S. Air Force's early ballistic missile and space programs.

AIR FORCE SPACE COMMAND

Gen. James V. Hartinger	Sept. 1, 1982	July 30, 1984
Gen. Robert T. Herres	July 30, 1984	Oct. 1, 1986
Maj. Gen. Maurice C. Padden	Oct. 1, 1986	Oct. 29, 1987
Lt. Gen. Donald J. Kutyna	Oct. 29, 1987	March 29, 1990
Lt. Gen. Thomas S. Moorman Jr.	March 29, 1990	March 23, 1992
Gen. Donald J. Kutyna	March 23, 1992	June 30, 1992
Gen. Charles A. Horner	June 30, 1992	Sept. 13, 1994
Gen. Joseph W. Ashy	Sept. 13, 1994	Aug. 26, 1996
Gen. Howell M. Estes III	Aug. 26, 1996	Aug. 14, 1998
Gen. Richard B. Myers	Aug. 14, 1998	Feb. 22, 2000
Gen. Ralph E. Eberhart	Feb. 22, 2000	April 19, 2002
Gen. Lance W. Lord	April 19, 2002	April 1, 2006
Lt. Gen. Frank G. Klotz (acting)	April 1, 2006	June 26, 2006
Gen. Kevin P. Chilton	June 26, 2006	Oct. 3, 2007
Lt. Gen. Michael A. Hamel (acting)	Oct. 3, 2007	Oct. 12, 2007
Gen. C. Robert Kehler	Oct. 12, 2007	Jan. 5, 2011
Gen. William L. Shelton	Jan. 5, 2011	Aug. 15, 2014
Gen. John E. Hyten	Aug. 15, 2014	Oct. 25, 2016
Gen. John W. Raymond	Oct. 25, 2016	Jan. 14, 2020

U.S. SPACE FORCE

Gen. John W. Raymond	Jan. 14, 2020
----------------------	---------------

SPACE OPERATIONS COMMAND (SpOC)

Lt. Gen. Stephen N. Whiting	Oct. 2020
-----------------------------	-----------

SPACE SYSTEMS COMMAND (SSC)

Lt. Gen. Michael Guetlein	Aug. 13, 2021
---------------------------	---------------

SPACE TRAINING AND READINESS COMMAND (STARCOM)

Maj. Gen. Shawn N. Bratton	Aug. 23, 2021
----------------------------	---------------

SATELLITES IN SERVICE OVER TIME

(As of Sept. 30, 2021)

TYPE OF SYSTEM	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
AEHF	1	2	2	3	3	3	3	4	5	5	5	6
ATRR	0	1	1	0	0	0	1	1	1	1	1	1
DMSP	6	4	4	6	6	6	5	5	4	4	4	4
DSCS	8	8	8	7	6	6	6	6	6	6	6	6
GPS	34	30	31	38	41	37	35	31	29	31	31	32
GSSAP	0	0	0	2	2	4	4	4	4	4	4	6
Milstar	5	5	5	5	5	5	5	5	5	4	4	5
ORS-5									1	1	1	1
SBIRS	1	1	2	2	2	2	3	7	6	6	6	7
SBSS	1	1	1	1	1	1	1	2	1	1	1	1
WGS		3	3	4	6	7	7	9	10	10	10	10
Total Satellites*	59	55	58	70	73	71	72	77	72	73+	73+	70+

*Classified systems not listed.

AEHF: Advanced Extremely High Frequency; **ATRR:** Advanced Technology Risk Reduction; **DMSP:** Defense Meteorological Satellite Prg.; **DSCS:** Defense Satellite Communications System; **GPS:** Global Positioning System; **GSSAP:** Geosynchronous Space Situational Awareness Prg.; **ORS-5:** Operationally Responsive Space-5; **SBIRS:** Space Based Infrared System; **SBSS:** Space Based Surveillance System; **WGS:** Wideband Global SATCOM.

MAJOR USSF PROGRAMS

RDT&E

(Current \$ millions)

	2021	2022	2023	2024	2025	2026	2027
	(enacted)						
AEHF	2.8	0.0	0.0	0.0	0.0	0.0	0.0
Counterspace Systems	44.2	59.8	57.5	67.3	4.3	2.1	2.1
Next-Gen OPIR	2,318.9	125.9	3,479.5	2,951.4	2,439.8	1,599.0	1,436.2
Space Fence	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Weather System Follow-On	77.4	53.4	0.0	10.6	7.0	0.0	0.0
Protected Tactical Service	193.3	229.3	294.8	360.4	349.0	345.7	465.3
Protected Tactical Enterprise Service	105.7	100.3	121.1	91.8	149.1	121.5	235.5
Space Test Program	25.7	20.1	25.4	30.3	30.3	29.8	30.4
Space C2 Software Pilot	0.0	0.0	155.1	122.6	123.6	126.3	128.8
Polar MILSATCOM	123.5	112.2	67.5	26.5	10.3	0.0	0.0
Wideband Global SATCOM	0.0	0.0	48.4	49.5	0.0	0.0	0.0
GPS III Space Segment	10.4	7.2	1.6	0.0	0.0	0.0	0.0
GPS III Follow-On Satellites	275.8	246.3	265.9	247.8	190.7	193.9	167.4
GPS III Operational Control Segment	460.9	402.5	359.7	274.9	82.5	22.9	6.6
Ballistic Missile Defense Radars	21.8	12.3	18.6	13.8	9.1	1.5	0.0

MAJOR USSF PROGRAMS

PROCUREMENT

(Current \$ millions)

	2021	2022	2023	2024	2025	2026	2027
	(enacted)						
AEHF	2.8	0.0	0.0	0.0	0.0	0.0	0.0
Counterspace Systems	49.2	64.8	62.7	67.3	4.3	2.1	2.1
Next-Gen OPIR	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Space Fence	11.3	0.0	0.0	0.0	0.0	0.0	0.0
Weather System Follow-On	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Protected Tactical Service	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Protected Tactical Enterprise Service	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Space Test Program	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Space C2 Software Pilot	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polar MILSATCOM	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wideband Global SATCOM	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GPS III Space Segment	21.1	84.5	103.3	122.8	76.0	50.4	2.8
GPS III Follow-On Satellites	597.8	852.9	657.6	664.1	683.4	714.0	749.0
GPS III Operational Control Segment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ballistic Missile Defense Radars	24.2	31.0	18.1	N/A	N/A	N/A	N/A

