



# ***FY2021 Space Force Targeted UPL***

## ***\$1.0B***

---

## ***Advancing the Future Force We Need (\$919M)***

### **1. Advanced Technologies (\$137M)**

- Classified Technologies: \$107M (Advances Space capabilities for the Department)
- Navigation Technology Satellite-3 (NTS-3): \$30M (Accelerates payload development)

### **2. Develop Space Warfighters (\$30M)**

- Operational Test and Training: \$14M (Progresses classified training technologies)
- Grows Training Infrastructure: \$16M (Expands virtual access and adds curriculum)

### **3. Protect and Defend Assets (\$211M)**

- Space-Based Infrared System (SBIRS): \$149M (GEO 5 early on-orbit test/GEO 6 integration)
- Missile Defense and Warning: \$40M (Increases upgrades to early warning radar & support)
- Electronic Warfare (EW): \$22M (Next-Gen Transportable EW & Next-Gen Laser De-confliction)

### **4. Field Robust Enabling Capabilities (\$541M)**

- Satellite Communications: \$175M (Accelerates enhancement of SATCOM capabilities)
- Space Situational Awareness: \$110M (Enables rapid fielding of new capabilities)
- National Security Space Launch (NSSL): \$255M (Procures launch for GPS III SV-06/07)

## ***Infrastructure (\$80M) – PRV 1.85%***

- MILCON (\$60M), Facility Sustainment, Restoration and Modernization (\$20M)

U.S. SPACE FORCE FY2021 UNFUNDED PRIORITY LIST BUDGET LEVEL DETAILS											
REQUIREMENT				BUDGET LEVEL DETAIL							
Priority	Category	Title	Description	Appn (4-Digit)	SAG (O&M)	PE	BPAC (RTDE)	WSC (Procurement)	P-1 Line # (Procurement)	R-1 Line # (RDT&E)	Unfunded Amount (\$M)
1	Advanced Technologies	Classified Technologies / Navigation Technology Satellite-3 (NTS-3) Payload and Launch	Includes 3 programs which advance Space capabilities of the Department. More details available via classified means.								
			One of the Space Force vanguard technology programs aimed to demonstrate the insertion of advanced waveforms & reprogrammable solutions to increase navigation resiliency. Funding accelerates payload development for CY22 Initial Launch Capability (ILC), to better align capability development with the Global Positioning Satellite (GPS) III-F program.								
				3620		C3269SF	653170			R-1 Line#: 12	\$ 107
2	Develop Space Warfighters	Classified Operational Test and Training / Space Warfighter Training	Increases capacity to develop the space warfighters essential to winning in an increasingly contested and congested domain.								\$ 31
			Progresses classified Operational Test and Training. Grows the training infrastructure by expanding access to the virtual training range and adds 2 new courses to curriculum. Accelerates Upgrades to Standard Space Trainers.								
				3620		C3174SF	67A011				\$ 13
				3410	013C	C3174SF				R-1 Line#: 31	\$ 5
											\$ 11
3	Protect and Defend Assets	Space-Based Infrared System (SIBRS)	The Space Based Infrared System (SBIRS) program is the follow-on capability to the highly successful Defense Support Program (DSP). The SBIRS Survivable Endurable Evolution (S2E2) program will replace Air National Guard operated Mobile Ground System (MGS), initially designed for support of DSP operations in the 1960s.								
			Enables Geostationary (GEO) 5 Early On-Orbit Test /Accelerates GEO-6 launch integration/Provides GEO-5 and GEO-6 storage. Increases SBIRS S2E2 FY21 Concept of Operations (CONOPS) investment.								
				3022		C3915SF		MSSBIR	P-1 Line#: 11		\$ 139
				3022		C3915SF		MSSBIR	P-1 Line#: 11		\$ 10
3	Protect and Defend Assets	Missile Warning and Defense	Increases investment in upgrades & sustainment of Early Warning Radar.	3410							\$ 40
			Grows Long Range Discrimination Radar (LRDR) sustainment portfolio.								
				3410	012A	C3909SF					\$ 26
				3410	012A	C3912SF					\$ 8
				3410	012A	C3873SF					\$ 7
3	Protect and Defend Assets	Electronic Warfare (EW)	Next Gen Transportable Electronic Warfare (EW) Family of Systems architecture design analysis for a consolidated EW C2 system.								\$ 22
			Funds fielding of advanced Next Generation De-confliction capability, replaces obsolete legacy tool and increases testing capacity.								
				3620		C6421SF	65A005			R-1 Line#: 14	\$ 11
				3600		C3906F	67A051			R-1 Line#: 318	\$ 11
4	Robust Enabling Capabilities	Satellite Communications (SATCOM)	Accelerates Enhanced Strategic SATCOM (ESS).	3620							\$ 175
			Enhancement of Advanced Extremely High Frequency (AEHF) constellation and protected communications (AEHF Space Modernization Initiative). Establishment of a Proliferated-Low Earth Orbit (P-LEO) Commercial SATCOM (COMSATCOM) Capability. Enrichment of Protected Anti-jam Tactical SATCOM (PATs) Partnership and Integration programs.								
				3620		C6855SF	643725			R-1 Line#: 10	\$ 135
				3620		C6431SF	657104			R-1 Line#: 17	\$ 21
				3620		C6445SF	650140				\$ 15
				3620		C6760SF	643726			R-1 Line#: 9	\$ 5
4	Robust Enabling Capabilities	Space Situational Awareness (SSA)	Enables rapid fielding of Operationally Responsive Space 5 (ORS-5) follow-on.								\$ 110
			Maximizes potential of Commercial Space Situational Awareness (SSA) Data. Increases Geo Space Situational Awareness Program (GSSAP) ISR Cell investment. Invests in Japanese Space Domain Awareness & Command and Control Communication.								
				3620		C6425SF	65A006			R-1 Line#: 5	\$ 72
				3620		C3614SF	68A035			R-1 Line#: 42	\$ 25
				3620		C3940SF				R-1 Line#: 13	\$ 5
				3600		C3400F	67A051			R-1 Line#: 314	\$ 8
4	Robust Enabling Capabilities	National Security Space Launch (NSSL)	Accelerates launch procurement for GPS III Space Vehicles (SV), SV-06 and SV-07.	3022		C3953SF		NSSL00	P-1 Line#: 13		\$ 255
5	Infrastructure	Facility Sustainment, Restoration and Modernization (FSRM)	Increases to our facility maintenance and repair investment to 1.85% Plant Replacement Value (PRV), accelerating the ramp to meet the Department of the Air Force Infrastructure Investment Strategy goal of 2% PRV.	3410	013R	22176SF					\$ 20
Total											\$ 938

U.S. SPACE FORCE  FY2021 UNFUNDED PRIORITY LIST BUDGET LEVEL DETAILS - Military Construction											
Priority	Component	Project #	Base	State	Title	Amount (\$M)	New(Y) or Existing MILCON (C)	Appn (4-Digit)	Description	Percent of P&D Completed	Estimated Award Date
1	Active	Multiple	Unspecified Worldwide	ZU	Planning and Design	60.0	N/A	3300	Planning and Design for various projects throughout USSF installations	N/A	N/A
Active MILCON UPL						60.0					