

Space Test Experiments Platform (STEP) 2.0 & STPSat-8

14 Sep 2022



Capt Jordan Kent, STPSat-8 Mission Manager
Mr. George Keane, STEP 2.0 PCO

Highest Overall Classification:
Unclassified



DoD Space Test Program



Our Mission:

STP performs exquisite *services*: mission design, payload-to-bus integration, space vehicle-to-launch integration, and on-orbit operations for S&T payloads that exhibit potential military utility. By advancing scientific *knowledge* and *capability*, we are foundational to ensuring continuous US advantage in the space domain.

We are the connective tissue between science and war.

Our Vision:

STP will be the driving force in DoD space technology advancement. We will maintain relevance in a dynamic strategic and organizational context through mastery of project *scoping, planning, executing, and controlling*.

Our Values:

- **COMMUNICATION:** We understand and embrace that we are an interconnected “team of teams.”
- **INVESTING IN PEOPLE:** We value investing in our people in order to execute the mission; we will *deliberately* develop the future cadre of USSF space acquisition professionals.
- **CLARITY FROM COMPLEXITY:** We understand that before we can make decisions, we must bring clarity to difficult problems by using disciplined scoping techniques.
- **CONTINUOUS LEARNING:** Our only sustainable competitive advantage is our ability to learn faster than the competition.

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STEP 2.0 Elevator Speech

Space Test Experiments Platform (STEP) 2.0 program is a 10-year, multi-award, Indefinite Delivery / Indefinite Quantity (ID/IQ) contract for Satellite Bus procurement, payload/launch integration, and 1-year mission operations for the Department of Defense Space Test Program (STP) with anticipated ID/IQ contract awards in May 2023. The Purpose of the STEP 2.0 program is to fill the existing spacecraft procurement gap within the STP in order to ensure Space Experiments may be hosted on a free-flyer satellite bus.

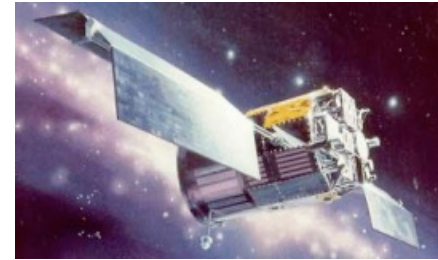
STPSat-8 will be the first Delivery Order (DO) to be awarded on this ID/IQ contract following the award of the ID/IQ itself. It is currently planned to fly on the STP S-29/S-30 series of launches in 2025 and is currently soliciting payloads.



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STEP 2.0 Program Overview

- Developed to host DoD Space Experiments Review Board (SERB) and International Space Access Review Board (ISARB) experiments requiring access to space
 - Open to hosting payloads from other sources. However, these will need to bring their own integration funding and other funding requirements may apply
- Award a contract to procure multiple spacecraft sized 12U to ESPA-Class
- Intended to provide spacecraft with industry standard interfaces for ease of integration
- 2-year Delivery Orders to align with STP Launch Campaigns



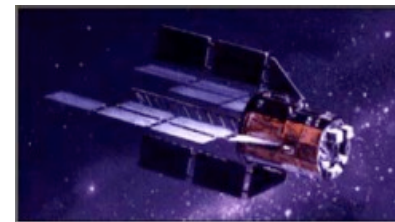
STEP 0 (TAOS)



STEP 1



STEP 2



STEP 3



STEP 4



TSX-5



STEP 2.0 Program Overview (Cont.)

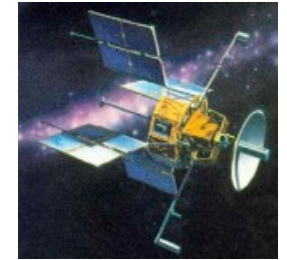
- Contract launch mass: Varies per delivery order
- Mission life: Min 1 year
- Operating orbit: LEO (75%) / GEO (25%)
- Inclination: Any



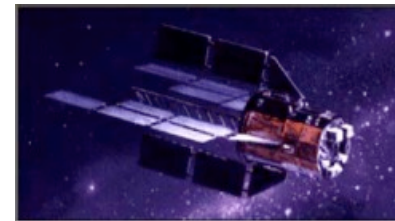
STEP 0 (TAOS)



STEP 1



STEP 2



STEP 3



STEP 4

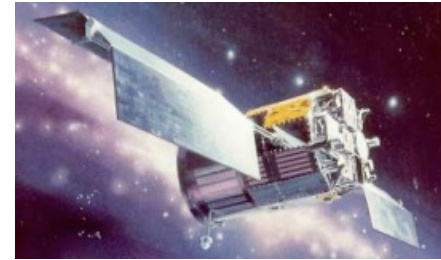


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Why Choose STEP 2.0/STPSat-8?

- Cost savings
 - STP bears the cost of bus construction
 - Integration costs covered for experiments going through the SERB process
- Launch services provided
 - STP designated launches procured through RSLP
- Mission Ops provided
- **NOTE:** Mission uniques or major redesigns required by your payload will likely incur costs to your program.



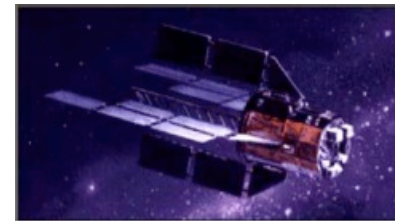
STEP 0 (TAOS)



STEP 1



STEP 2



STEP 3



STEP 4



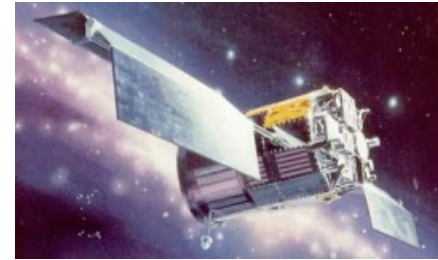
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STPSat-8 Current Status

- Many specifics still TBD as STPSat-8 is awaiting the award of the STEP 2.0 ID/IQ contract, the STPSat-8 DO contract award, and finalization of the payload set
- Orbit: TBD (Determined by payload requirements)
- ILC: Approx. Late 2025
- Integration & Test: Approx. Late 2024-Early 2025
- Payload Set: Currently in development
- Mass: TBD (Determined by payload requirements)
- Funding: Estimated funds currently allocated - Amount to be finalized at DO Award
- DO Award: Approx. August 2023
- Could change orbit and size if additional funding is brought forth by another organization



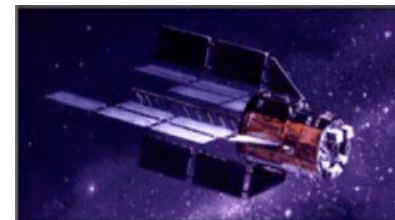
STEP 0 (TAOS)



STEP 1



STEP 2



STEP 3



STEP 4



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Additional Information

- SAM.gov Special Notice:
 - <https://sam.gov/opp/98eb31963a3a49e69f2f9c8cab2d8b6f/view>
- Space Test Program News Article:
 - <https://www.spoc.spaceforce.mil/News/Article-Display/Article/3143316/space-test-program-enables-space-technical-enhancement>
- Contact Information:
 - Maj S. Kyle Futch - STEP 2.0 Program Lead
 - steven.futch.1@spaceforce.mil
 - Capt Jordan Kent - STPSat-8 Mission Manager
 - jordan.kent.3@spaceforce.mil
 - Mr. George Keane - STEP 2.0 PCO
 - george.keane@spaceforce.mil



Questions?