

SPACE SYSTEMS COMMAND
Media Release



SPACE SYSTEMS COMMAND
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**Space Systems Command Exercises Contract Option for Three Additional
GPS IIIF Satellites**

SUMMARY: Three new GPS satellites to provide next-generation positioning, navigation and timing capabilities to military and civilian users worldwide.

El Segundo, Calif. – Space Systems Command (SSC) recently exercised its third production option valued at approximately \$744 million for the procurement of three additional Global Positioning System (GPS) III Follow-On (IIIF) satellites from Lockheed Martin. This contract option covers GPS IIIF Space Vehicles (SVs) 18, 19 and 20.

GPS is a satellite-based radio navigation system that delivers sustained, reliable GPS capabilities to America's warfighters, U.S allies and civil users. GPS provides positioning, navigation and timing service to civil and military users worldwide.

GPS IIIF will provide several next-generation capabilities to meet increased demands of both military and civilian users. Building on the technical baseline of SV 01-10, the newer satellites will provide increased anti-jam capabilities for the military with the addition of a Regional Military Protection capability. Precision ranging measurements will be enabled by a Laser Retro-reflector Array and will address the consolidation of telemetry, tracking and commanding frequencies. Additionally, GPS IIIF leverages major international collaboration with the Canadian Department of National Defense, and other U.S. Government organizations such as the National Oceanic and Atmospheric Administration, Air Force Rescue Coordination Center, and the US Coast Guard Office of Search and Rescue (SAR) by hosting a new SAR payload. This payload provides enhanced capabilities to the SAR mission with distress alert detection and location to 100 percent continuous global coverage and reduces location uncertainty to less than 5 km in support of 49 international partners. Finally, the program will host a redesigned Nuclear Detonation Detection System solution that has a lower overall size, weight and power requirement.

“Along with our industry and government partners, the GPS IIIF team continues to add world-class capabilities that underpins U.S. national security needs to both our warfighters and civil users across the globe as the most utilized United States Space Force capability,” said Col. Jung Ha, GPS Space Vehicles senior materiel leader for SSC Military Communication and Positioning, Navigation and Timing.

The GPS IIIF SV11-12 satellites were included in the original GPS IIIF contract awarded to Lockheed Martin in September 2018 to build up to 22 GPS IIIF satellites. Under that contract, SSC exercised the first production option for SV13-14 in October 2020 and second production option for SV 15-17 in October 2021.

Space Systems Command is the U.S. Space Force field command responsible for rapidly identifying, prototyping and fielding resilient space capabilities for joint warfighters. SSC delivers sustainable joint space warfighting capabilities to defend the nation and its allies while disrupting adversaries in the contested space domain. SSC mission areas include launch acquisition and operations; space domain awareness; positioning, navigation, and timing; missile warning; satellite communication; and cross-mission ground, command and control and data.

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Interested media representatives may submit questions regarding this topic by sending an e-mail to sscpa.media@spaceforce.mil.