



News Release

United States Navy

Space and Naval Warfare Systems Command
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SPAWAR Awards Space Surveillance System Contract

SAN DIEGO -- Raytheon Company of Sudbury, Mass., is being awarded a \$17,173,912 Cost-Plus-Award-Fee / Firm-Fixed Price / Cost-Plus-Fixed Fee contract for the modernization and upgrade of the U.S. Navy's Space Surveillance System, known as the Fence or Space Fence. The upgrade will replace the Very High Frequency radio transmitters and receivers currently in use with ones operating at S-band frequencies.

First operational in 1961, the system consists of one primary transmitter, two auxiliary transmitters, and six receivers, located at sites spanning the southern United States, forming a Very High Frequency Continuous Wave bi-static radar surveillance network. It can detect most satellites that pass over the continental United States that are larger than about 30 centimeters in diameter (approximately the size of a basketball). Upgrading the system from VHF to S-band frequencies will allow detection of smaller objects (about 5 cm), improve the position accuracy of objects detected, and lead to a more precise catalogue of orbital data. A mission data processing center is located at the Naval Network and Space Operations Command in Dahlgren, Virginia.

The base award covers the design of hardware and software required to modernize the Naval Space Surveillance System. Completion of this design effort is scheduled for 2007. This contract includes options for the completion and operation of one, two, or three surveillance complexes, together with materials required to upgrade the mission-processing center at Dahlgren. An additional option includes development and installation of hardware and software needed to interface with the Air Force Integrated Space Command and Control program.

To the extent options may be exercised, the first upgraded complex will be located at the current space fence site in Jordan Lake, Alabama, the second site, to be completed in 2008, will be in Lake Kickapoo, Texas, and the third, to be completed in 2009, in Gila River, Arizona. The other space fence sites will be gradually phased out of operation. These sites include Chula Vista, California, Elephant Butte, New Mexico, Red River, Arkansas, Silver Lake, Mississippi, Hawkinsville and Tattnall County, Georgia. The work will be performed in Sudbury, Mass. (60.2%), Andover, Mass. (34.8%), Burlington, Mass. (0.9%), Colorado Springs, Colo. (4.1%) as well as various government facilities and the space fence sites and is expected to be complete by 2010, assuming all options are exercised. If all contract options are exercised, the total cumulative value of the contract is not expected to exceed \$395,590,366. The contract will initially be incrementally funded with Research, Development, Test and Evaluation funding in the amount of \$1,087,000. Contract funds will not expire at the end of the current fiscal year. The Navy will use funding from Research, Development, Test and Evaluation (46%), Other Procurement Navy (28%), and Operations and Maintenance (26%), throughout the contract's period of performance. This contract was announced as a competition via the SPAWAR Business Opportunity Page and the Federal Business Opportunities website September 5, 2001 and four offers were received. The Space and Naval Warfare Systems Command in San Diego is the contracting activity (N00039-02-C-2201).

For more information contact:

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A Fact Sheet on the Naval Space Surveillance System (NSSS) is available on the SPAWAR Public Web site at <http://www.spawar.navy.mil> in the Fact Sheets Section.