

Nuclear Weaponry FY2021

Note

- Air Force Nuclear Weapons Center, Hill AFB, UT, usually deals with the Minuteman III intercontinental ballistic missile.
- "Strategic Systems Programs" usually deals with the submarines armed with Trident II ballistic missiles.

Armorworks Enterprises Inc. (Chandler, AZ)

- Payload Transporter Replacement (PTR) vehicles for Minuteman III nuclear weapons; contract # FA8204-19-C-0005; issued 10 Feb 2021, 25 May 2021

BAE Systems Technology Solutions and Services (Rockville, MD)

- logistics, engineering, and integration support of the U.S. Ohio-class and U.K. Vanguard-class platforms, including support of future concepts → work in Saint Mary's, GA (39%); Mechanicsburg, PA (26%); Rockville, MD (21%); Silverdale, WA (3%); Portsmouth, VA (1%); Cleveland, SC (1%); New Market, MD (1%); Carlisle, PA (1%); Mooresboro, NC (1%); Forsyth, GA (1%); Mesa, AZ (1%); Saint Simons Island, GA (1%); Perkins, GA (1%); Savannah, GA (1%); St. Peters, MO (1%); N00030-19-C-0007; 14 Sep 2021 via Strategic Systems Programs, D.C.
- services for Trident II (D5) and nuclear weapon security, surety; and future concepts → Rockville, MD (58.2%); D.C. (24%); Saint Mary's, GA (3.4%); Cape Canaveral, FL (2.4%); Rochester, UK (1.8%); Bremerton, WA (1.4%); Portsmouth, VA (1%); various locations in continental U.S. (7.8%); N00030-22-C-6001; 30 Sep 2021 via Strategic Systems Programs

Boeing (Newark, OH)

- repair the Minuteman III ICBM (nuclear missile) guidance set; FA821421D0003; 17 Sep 2021 via Air Force Nuclear Weapons Center, Hill AFB, UT

Boeing (St. Louis, MO)

- B61-12 Tail Kit Assembly (TKA) surveillance and sustainment support: engineering services and technical expertise as needed across various disciplines; **includes FMS to NATO members that are to be determined**; FA9422-21-D-0001; 14 Sep 2021 via Air Force Nuclear Weapons Center, Kirtland AFB, NM

Boeing (Layton, UT)

- Flight Test Telemetry Termination Rapid Fielding Initiative (FT3 RFI) to meet the [Minuteman III] FT3 flight schedule; FA8214-15-C-0001; 27 Apr 2021 via Air Force Nuclear Weapons Center, Hill AFB, UT

Boeing (Huntington Beach, CA)

- Navigation systems for Trident II. See separate *Big 12 West Coast* summary.

The Charles Stark Draper Laboratory (Cambridge, MA)

- research into the applications of technologies to meet guidance requirements for operations on the Common Missile Compartment for the U.S. Columbia-class program and the U.K. Dreadnought-class program: specialized technical knowledge and support for the hypersonic guidance, navigation and control application; and provide technical and engineering services to support the guidance, navigation and control system that will support hypersonic flight experiments → Cambridge, MA (81%); El Segundo, CA (19%); United Kingdom funds \$5,572,000; N00030-19-C-0001; 13 Nov 2020 via Strategic Systems Programs, D.C.
- guidance, navigation, and control (GN&C): expertise and resources to explore and evaluate concepts and technologies to enable follow on, full-scale development of strategic guidance, navigation, and control solutions for the Second Life Extension (D5LE2) of Trident II weaponry; also R&D into GN&C technologies & concepts for alternate and developing strategic systems program missions; N0003020-C-0004; 29 Jan 2021, 28 Apr 2021 via Strategic Systems Programs, D.C.
- MK6 Guidance Equivalent Units for Trident II (D5) nuclear weapons → Cambridge, MA (30.5%); Clearwater, FL (20.6%); Pittsfield, MA (43.25); McKinney, TX (5.7%); N00030-21-C-0008; 26 Feb 2021 via Strategic Systems Programs
- digital engineering and model based systems engineering, agile processes, open systems architecture, weapons and enterprise analytics for Eglin AFB, FL, (Eglin's Armament Mission) and its partners; \$46B across 55 corporations; FA8656-21-D-A001; 3 Sep 2021

Delta Solutions & Strategies LLC (Colorado Springs, CO)

- Integrated Tactical Warning/Attack Assessment services: technical engineering support and exercise simulation generation support for the Modeling and Simulations Operations Branch (J722) of the Joint Exercise & Training Directorate (J7), Strategic Command (STRATCOM) and technical engineering support and exercise scenario generation support for the Modeling and Simulation Branch (J742) of NORAD and Northern Command (NORTHCOM) (N-NC) J7 → work at Offutt AFB, NE; and Peterson AFB, CO; FA4600-21-C-0011; 10 Jun 2021 via 55th Contracting Squadron, Offutt

General Dynamics Mission Systems (Pittsfield, MA)

- fiscal 2020-2023 Columbia (USO1) and Dreadnought Class development, production and installation requirement → Pittsfield, MA (90%); UK (6%); Quonset Point, RI (3%); Groton, CT (1%); N00024-18-C-4321; 9 Dec 2020 via Strategic Systems Programs, D.C.

HDT Global (Solon, OH)

- Transporter Erector Replacement Program (TERP) production (transports Boeing Minuteman III) → work in Cincinnati, OH; Florence, KY; FA8204-13-C-0010; 13 Aug 2021 via Air Force Nuclear Weapons Center, Hill AFB, UT

Johns Hopkins University, Applied Physics Laboratory (Laurel, MD)

- professional technical services: systems test and evaluation; information and technology research, development, and assessment; simulation, modeling, operations and analysis; mission-related R&D; first task order FA8735-21-F-0003; FA8735-21-D-0003; 30 Apr 2021 via Air Force Nuclear Weapons Center, Hanscom AFB, MA
- R&D services of nuclear enterprise; first task order for R&D to support the Ground Based Strategic Deterrent weapon system; FA8204-21-D-0001; 12 Jul 2021 via Air Force Nuclear Weapons Center, Hill AFB, UT

L3Harris Technologies Inc. (sometimes d.b.a. Interstate Electronics Corp.) (Anaheim, CA)

- flight test instrumentation systems on Trident II; see Big 12 West Coast *for more information*

Lockheed Martin contracts for nuclear weaponry in the following locations. See Big 12 summaries for more details.

- King of Prussia, PA, works on reentry vehicles
- Mitchell Field, NY, works on Trident II navigation systems
- Titusville, FL, works on Trident II missile production

Northrop Grumman contracts for nuclear weaponry in the following locations. See Big 12 summaries for more information.

- Sunnyvale, CA, works on Trident II launcher systems
- Hill AFB, UT, works on ground subsystems and launch control center for Minuteman III missiles
- Corrine, UT, engineering and program management support on Minuteman III propulsion subsystem

Raytheon contracts for nuclear weaponry in the following locations. See Big 12 summaries for more information.

- Largo, FL, for the Presidential and National Voice Conferencing (PNVC) Integrator
- Marlborough, MA, for Advanced Extremely High Frequency-Terminals (AEHF-T) and global aircrew strategic network terminal (GASNT), a nuclear command & control system
- Tucson, AZ, for engineering and manufacturing of Long Range Standoff (LRSO)

Peraton (Herndon, VA)

- program support services for [Trident II] reentry subsystem → Colorado Springs, CO (75%); D.C. (15%); Albuquerque, NM (8%); Cape Canaveral, FL (1%); Omaha, NE (1%); N00030-21-C-0016; 2 Oct 2020 via Strategic Systems Programs

SierTek–Peerless JV LLC (Beavercreek, OH)

- engineering, analysis, management, and technical support in support of the nuclear stockpile with focus on cruise missiles and the Air Force nuclear stockpile management → work at Kirtland AFB, NM; FA9422-21-F-0001; 1 Sep 2021

Supertel Network Inc. (Melbourne, FL)

- Minuteman III Remote Visual Assessment program in Ogden, UT; Malmstrom AFB, MT; Minot AFB, ND; F.E. Warren AFB, WY; FA8214-21-C-0001; 3 Nov 2020 via Air Force Nuclear Weapons Center, Hill AFB, UT

Systems Planning and Analysis Inc. (Alexandria, VA)

- technical services, program support, assessments, special studies and systems engineering for the Trident II → Alexandria, VA (86%); Strategic Systems Programs Headquarters, Washington, Navy Yard, D.C. (14%); N00030-21-C-6019; 1 Oct 2020 via Strategic Systems Programs, D.C.

Nuclear Monitoring

Gryphon Technologies L.C. (D.C.)

- processing, analysis, and quantitative evaluation of environmental samples and other associated services for Air Force Technical Applications Center (AFTAC); also analyzes calibration samples and conducts studies on analytical techniques, instrumentation and data handling advancements → Sunol, CA; FA7022-21-D-0001; 1 Oct 2020

Construction

JE Architects/Engineers P.C. (New York, NY)

- remedial design, planning and construction management services for the Niagara Falls Storage Site ([NFSS](#)); 1 Sep 2021 via USACE, Buffalo, NY (W912P4-21-D-0006)

LGC Global Inc. (Detroit, MI)

- construction of a nuclear command, control and communications support war reserve material storage/shipping facility, Holloman AFB, NM; 9 Jul 2021 via USACE, Albuquerque, NM (W912PP-21-C-0012)