

Northrop Grumman FY2019  
*This summary has not been proofed for readability.*

Northrop Grumman Amherst Systems (Buffalo, NY)

- U.S. and FMS countries for Joint Threat Emitter production end-items, spares, support equipment, testing, training, etc. → work in the states and worldwide; involves FMS to U.S. partner countries; issued 6 Dec 2018
  - o contracting activity = AFLCMC, Hill AFB, UT (FA8210-19-D-0001)

Northrop Grumman (Bethpage, NY)

- system upgrades, EA-18G system configuration sets, Airborne Electronic Attack and Electronic Warfare systems and final upgrades for the EA-6B system for U.S. Navy and Australia → work in Point Mugu, CA (50%); Baltimore, MD (29%); Bethpage, NY (20%); Rolling Meadows, IL (1%); N68936-19-D-0007; 17 Oct 2018
- demonstration and test of existing technologies and associated technical data that may potentially provide a solution for an airborne wideband low radio frequency band jamming application in support of the Next Generation Jammer Low Band (Increment 2) program → Linthicum, MD (42%); Bethpage, NY (38%); North Amityville, NY (8%); Melville, NY (8%); Rolling Meadows, I (1%); Hollywood, MD (1%); Melbourne, FL (1%); Redondo Beach, CA (1%); N00019-19-C-0015; 25 Oct 2018
- engineering services to support the Littoral Combat Ship Mission Modules Program; engineering services will be provided to support the existing efforts of the Littoral Combat Ships Mission Modules Program; incidental other direct cost items are also provided in support of said engineering services → Bethpage, NY (34%); Mayport, FL (19%); San Diego, CA (17%); Port Hueneme, CA (14%); Pittsfield, MA (8%); Panama City, FL (3%); D.C. (1%); Dahlgren, VA (1%); Newport, RI (1%); Baltimore, MD (1%); other locations (1%); N00024-17-C-6311; 15 March 2019
- expand the analysis and design of the Next Generation Jammer Low Band (NGJ LB) controller, receiver, exciter, and power generation subsystems; also provides NGJ LB technique development, incorporation of updated goals documents, and environmental testing of the transmitter group → Bethpage, NY (40%); Linthicum, MD (32%); North Amityville, NY (12%); Tempe, AZ (12%); Melville, NY (4%); N0001919C0015; 8 May 2019
- production of Littoral Combat Ship Surface-to-Surface Missile Module → Huntsville, AL (80%); Bethpage, NY (18%); Hollywood, MD (2%); N00024-17-C-6311; 30 Aug 2019

Northrop Grumman (Charlottesville, VA)

- common Integrated Bridge and Navigation Systems (IBNS) for DDG-51 New Construction Ship Program and DDG-51 Midlife Modernization Program; N00024-19-C-4101; 24 Oct 2018
- Ring Laser Gyro Navigation (RLGN) System provisioned items and associated technical program support of the WSN-7 navigation system; N00024-19-F-5201 N00024-15-D-5208; 21 Aug 2019

Northrop Grumman (Chantilly, VA)

- post-operational support for the Enhanced Polar System Control and Planning Segment; factory expertise / support to ongoing operations, support transition from development to sustainment activities, and the delivery and installation of two software updates → work in Redondo Beach, CA; FA8808-13-C-0001; 15 March 2019
  - o Space & Missile Systems Center, Military Satellite Communications Directorate, Los Angeles AFB, CA
- Enhanced Polar System Recapitalization (EPS-R) Control and Planning Segment (CAPS); provides development of software to address international host accommodations for new out of band link functions, cyber architecture, orbit planning, and the capability for controlling four EPS Payloads simultaneously on a single software baseline → work in Redondo Beach, CA; 2 May 2019
  - o Space & Missile Systems Center, Military Satellite Communications Directorate, Los Angeles AFB, CA (FA8808-19-C-0001)
- systems engineering, management, and sustainment supporting weather-related missions; increasing the ceiling and providing for the establishment of options to increase the ordering period by six months → Offutt AFB, NE; FA4600-14-D-0004; 9 July 2019
  - o Air Combat Command 55th Contracting Squadron, Offutt AFB, NE

Northrop Grumman (McLean, VA)

- support services in Pyeongtaek, South Korea; W91QVN-15-F-0029; 30 May 2019
  - o 411th Contracting Support Battalion, South Korea
- non-personal IT support services for the U.S. Army Regional Cyber Center-Europe, Wiesbaden-Erbenheim, Germany; W91RUS-14-D-0002; 18 July 2019
  - o Army Contracting Command, Aberdeen Proving Ground, MD

Northrop Grumman (Herndon, VA)

- continued non-personal advisory and assistance service for consulting and planning of acquisition and life cycle phases of supply value chain systems in support of TRANSCOM and other supporting organizations; HTC711-16-F-D011; 1 Oct 2018
- knowledge based professional engineering support services for programs with C4ISR related requirements; W15P7T-19-D-0178; 18 Oct 2018
  - o part of \$37,400,000,000 shared among 388 bidders
- continued development, integration, fielding and sustainment for the Unified Platform Program → San Antonio, TX; FA8307-19-F-0002; 26 Oct 2018
- provide Joint Force development and training support services “to enhance and improve the joint fighter’s ability to adapt and overcome an ever-evolving threat environment” in support of the Joint Chiefs of Staff → work at government facilities in Suffolk, VA (90%); corporate locations throughout U.S. (10%); N00189-19-D-Z006; 19 Nov 2018 w Campstone Corp., SAIC, General Dynamics, Booz Allen Hamilton, Calibre Systems
- support services at Fort Leavenworth’s center of excellence in combined arms education, doctrine, and leadership training; W91150-11-C-0014; 27 Nov 2018
- logistics services on Contracted Maintenance, Modification, Aircrew & Related Services (CMMARS<sup>1</sup>) Program in support of aviation platforms (Navy and Air Force), inter-related systems, subsystems, and services; N61340-19-D-1014; 22 Jan 2019 (w many others, like URS, PAE, L3, DynCorp, etc.) via Naval Air Warfare Center Training Systems Division, Orlando, FL
- Battlefield Airborne Communications Node E-11A (modified Bombardier BD-700 Global aircraft) platform maintenance as well as subsystems and support equipment; FA8726-17-C-0011 → Kandahar, Afghanistan; and MD; 22 Jan 2019
- logistics services for CMMARS; estimate total \$12,599,999,930 → work at various afloat and ashore locations inside the continental U.S. (99%); OCONUS (1%); N61340-19-D-1014; w 18 others 22 Jan 2019
- Joint Counter Radio-Controlled Improvised Explosive Device Electronic Warfare Increment One Block One Systems full-rate production in support of Expeditionary Warfare Program Office; N00024-17-C-6327; 31 Jan 2019
- MR-TCDL B-Kits, one Mission Avionics Systems Trainer B-Kit, and associated A- and B-Kit spares for the MR-TCDL upgrade to E-6B Mercury aircraft → Salt Lake City, UT (73%); San Diego, CA (25%); Boston, MA (2%); N00019-15-G-0026; 20 March 2019
- Joint Counter-Radio-Controlled Improvised Explosive Device Electronic Warfare (JCREW) Increment 1 Block 1 (I1B1) systems full-rate production → work in San Diego, CA; N00024-17-C-6327; some FMS to Australia; 22 March 2019
- computing services at Fort Huachuca, AZ; W900KK-19-F-0028; 27 March 2019
- electronic attack pods; FA8540-12-C-0004; 17 April 2019
- professional technical and management support services to establish and maintain cyberspace operations and enable product lines, programs and projects to include interoperability of systems, services and capabilities; N66001-19-D-3411; 8 May 2019 (one of nine issued) via Naval Information Warfare Center Pacific, San Diego
- technical services in Fort Leavenworth, KS; 20 May 2019
- product data systems, data management and migration support at Robins AFB, GA; everything necessary to operate and maintain Robins AFB, GA, product data hardware and software; to aid government customers in managing and executing technical data generation, acceptance and sustainment activities, processes, and products within the product data environment; and to support data improvement, cleansing, and migration efforts to prepare data for transition into modernized and/or Air Force enterprise-level systems; FA8501-15-D-0008; 4 June 2019, 29 Aug 2019
- support services in combined arms education, doctrine, and leadership training in Fort Leavenworth, KS; W91150-11-C-0014; 30 July 2019
- engineering services on all of Northrop designed platforms managed by the 424th Supply Chain Management Squadron at Tinker AFB, OK; FA8119-19-D-0002; 21 Aug 2019
- contractor logistics support services; W58RGZ-17-C-0014; 21 Aug 2019
- production, integration, fielding, and training of the Huntsman secure network radio; W31P4Q-19-D-0041; 27 Aug 2019
- engineering support services for the Joint Counter Radio-Controlled Improvised Explosive Device Electronic Warfare Increment One Block One (I1B1) Systems full-rate production in support of the Expeditionary Warfare program office; engineering support aims to introduce new technologies; address diminishing material and depot repairs to keep JCREW systems viable for future production; and maintain operational readiness for the field; N00024-17-C-6327; 13 Sept 2019
- research facilitation laboratory services in Monterey, CA; W15QKN-19-F-1334; 25 Sept 2019

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<sup>1</sup> CMMARS contractor logistics services are on all types of aircraft as well as integrally related systems and weapon systems. Logistical support includes logistics functions and maintenance tasks to keep U.S. and FMS aircraft ready, available, and operating worldwide.

- deliver Windows 10 migration of the Ground Minuteman Automated Test Stand at Hill AFB, UT; FA8204-19-F-0062; 25 Sept 2019 via Air Force Nuclear Weapons Center, ICBM Contracting Division, Hill AFB
- continued non-personal advisory and assistance service for consulting and planning of acquisition and life cycle phases of supply value chain systems in support of TRANSCOM and other associated supporting organizations at Scott AFB, IL; HTC71116FD011 / GS00F128CA; 30 Sept 2019

Northrop Grumman (Annapolis, MD)

- depot level repair, maintenance, and modifications of AN/AQS-24 Mine Detecting System to support the Navy for the currently deployed airborne mine countermeasures legacy systems; N61331-15-D-0011; 25 March 2019
  - o Naval Surface Warfare Center, Panama City Division, Panama City, FL

Northrop Grumman (Sykesville, MD)

- repair nine items of the aircraft launch and recovery equipment systems under the Advanced Recovery Control system; 10 Dec 2018
  - o NAVSUP Weapon Systems Support, Philadelphia, PA (N00383-19-D-PY01)

Northrop Grumman (Baltimore, MD)

- full-rate production Ground/Air Task Oriented Radar units under the portfolio management of Program Executive Officer Land Systems, Quantico, VA; spares parts and retrofit kits → Linthicum, MD (37%); East Syracuse, NY (28%); Stafford Springs, CT (7%); Tulsa, OK (6%); Syracuse, NY (4%); Valencia, CA (3%); San Diego, CA (3%); Richardson, TX (3%); Farmingdale, NY (2%); St. Paul, MN (2%); Gilbert, AZ (1%); Phoenix, AZ (1%); Lowell, MA (1%); Littleton, CO (1%); Durham, NC (1%); 7 June 2019
  - o Marine Corps Systems Command, Quantico, VA (M67854-19-C-0043)
- procure engineering services in support of the AN/ALQ-218 Tactical Jamming Receiver;<sup>2</sup> N00164-17-F-W170; 26 Sept 2019
  - o Naval Surface Warfare Center, Crane Division, Crane, IN

Northrop Grumman Systems Corp (Linthicum Heights, MD)

- Precision Real-Time Engagement Combat Identification Sensor Exploitation program; program tries to develop technologies that continue to advance combat identification for warfighters; provides for technical assessments, prototype hardware and software modifications and development, systems engineering, performance simulations, system integration and demonstrations → Baltimore, MD; 25 Oct 2018
  - o AFRL Wright-Patterson AFB, OH (FA8650-19-C-1672)
- two AN/SLQ-32(V)Y Surface Electronic Warfare Improvement Program (SEWIP) Block 3 system low rate initial production units → Linthicum, MD (98%); Los Angeles, CA (2%); N00024-15-C-5319; 21 Dec 2018
  - o NAVSEA D.C.
- Starlite system support; 10 Jan 2019
  - o Army Contracting Command, Aberdeen Proving Ground, MD (W56KGY-19-D-0002)
- FMS (**Kuwait**): Army, Navy vehicle intercommunication systems → Elkridge, MD; 23 Jan 2019
  - o Army Contracting Command, Aberdeen Proving Ground (W91CRB-19-C-5007)
- software release and advanced electronic protection supporting Ground/Air Task Oriented Radar (G/ATOR) Gallium Nitride (GaN) efforts in support of Program Executive Office Land Systems, Quantico, VA → Linthicum Heights, MD (65%); East Syracuse, NY (20%); Farmingdale, NY. (14%); New Brighton, MN (1%); M67854-16-C-0211; 15 March 2019
  - o Marine Corps Systems Command, Quantico, VA
- Triton Electronic Protection Enhancements; N00014-18-S-B001; 14 June 2019
  - o Office of Naval Research, Arlington, VA (N00014-19-C-1032)
- a research project for undersea systems → Linthicum Heights, MD (71%); Reston, VA (27%); Cambridge, MA (2%); HR0011-18-C-0026; 18 June 2019
  - o DARPA Arlington, VA
- software release and advanced emplacement displacement simultaneous motion component supporting Ground/Air Task Oriented Radar Gallium Nitride efforts in support of Program Executive Officer Land Systems, Quantico, VA → Linthicum Heights, MD (66%); East Syracuse, NY (34%); M67854-16-C-0211; 29 Aug 2019
  - o Marine Corps Systems Command, Quantico (M67854-16-C-0211)
- electronic surveillance in support of the P-8 aircraft program for U.S. Navy and Australia; SPE4A116G0005; 19 Sept 2019

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<sup>2</sup> AN/ALQ-218 is an airborne electronic warfare system with a jamming system utilized on the EA-6B Prowler, EA-18G Growler, and P-8A Poseidon military aircraft.

- DLA Aviation, Philadelphia, PA
- the Mercury Program, a top secret/special compartmented information special access program; overall objective of the program is to research electronic warfare; 30 Sept 2019
  - AFRL Wright Patterson AFB (FA8650-19-C-7926)

Northrop Grumman Orbital ATK (Rocket Center, WV)

- Hard Target Void Sensing Fuzes (HTVSF); full rate production of Lot 2 and Lot 3 HTVSF, as well as spares, trainers, and support; 6 Sept 2019
  - AFLCMC Hill AFB, UT (FA8213-19-C-0038)
- the BLU-111 warhead; FA8681-19-C-0016; 17 Sept 2019
  - AFLCMC Eglin AFB, FL

Northrop Grumman Systems Corp. (St. Augustine, FL)

- aviation truss assemblies for U.S. Navy; SPE4A1-17-G-0004; 2 Nov 2018
  - DLA Aviation, Philadelphia
- depot maintenance for 44 Navy and Marine Corps Reserve F-5N/F aircraft; also provides aircraft inspections, repairs, overhauls, emergency repairs, modifications, engineering support and procurement of structural components required for the operation and sustainment of the F-5N/F aircraft → St. Augustine, FL (96%); Springville, UT (3%); Emmen, Switzerland (1%); N00019-14-D-0022; 12 Feb 2019
  - Naval Air Warfare Systems Command, Patuxent River, MD

Northrop Grumman (Melbourne, FL)

- FMS (Japan): non-recurring and recurring engineering support to incorporate crew comfort provisions on E-2D Advanced Hawkeye; N00019-13-C-9999 → Melbourne, FL (76.13%); St. Augustine, FL (21.89%); various CONUS locations (1.98%); 1 Oct 2018
  - NAVAIR Patuxent River, MD
- repairable spare items in support of the E-2D Advanced Hawkeye → Palmdale, CA (81.96%); Irvine, CA (4.79%); Ronkonkoma, NY (4.10%); Marlborough, MA (2.26%); San Diego, CA (2.09%); Hauppauge, NY (2.07%); various CONUS locations (2.73%); N00019-15-G-0026; 2 Oct 2018
  - NAVAIR Patuxent River
- long-lead items for Japan E-2D Aircraft JAA5 → Syracuse, NY (22.04%); Potez, Aire-sur-l'Adour, France (11.50%); Edgewood, NY (8.42%); Menlo Park, CA (6.12%); Woodland Hills, CA (5.53%); Rolling Meadows, IL (5.01%); Marlborough, MA (4.59%); Greenlawn, NY (3.06%); Owego, NY (3.06%); Independence, OH (3.06%); Gardena, CA (2.29%); Melbourne, FL (2.09%); Clemmons, NC (1.81%); Falls Church, VA (1.53%); Melville, NY (1.49%); Long Beach, CA (1.17%); Laval, Quebec, Canada (0.04%); various locations within the U.S. (17.19%); N00019-18-C-1037; 16 Nov 2018
  - NAVAIR, Patuxent River, MD
- install aerial refueling retrofit kits on four E-2D Advanced Hawkeye aircraft in St. Augustine, FL; N00019-15-G-0026; 3 Dec 2018
  - NAVAIR, Patuxent River, MD
- long-lead parts and associated support for the full rate production of two Lot 7 E-2D Advanced Hawkeye → Syracuse, NY (29%); El Segundo, CA (29%); Melbourne, FL (14%); Rolling Meadows, IL (7%); Menlo Park, CA (6%); Greenlawn, NY (4%); Owego, NY (2%); INpolis, IN (2%); Edgewood, NY (2%); Woodland Hills, CA (2%); Marlborough, MA (1%); Independence, OH (1%); various locs within the continental U.S. (1%); N00019-18-C-1037; 10 Dec 2018
  - NAVAIR, Patuxent River, MD
- additional organic depot and intermediate level repair publications in support of E-2D aircraft, including the structural repair manual and organic depot and intermediate level repair publications → Melbourne, FL (79.6%); St. Augustine, FL (11.6%); Menlo Park, CA (7.3%); Bethpage, NY (1.5%); N0001915G0026; 17 Dec 2018
  - NAVAIR, Patuxent River, MD
- formation of a collaborative working group (w Raytheon, Boeing, General Atomics, etc) of various industry partners to work as a single extended entity to develop, evolve, and update via pre-planned product improvement initiatives, as well as manage and provide configuration control of the Open Mission Systems and Universal Command and Control Interface standards, collectively referred to as the Open Architecture standards → Nashua, NH; St. Louis, MO; Poway, CA; Westford, MA; Clifton, NH; Fort Worth, TX; Melbourne, FL 27 Dec 2018 (FA8604-19-D-4024); 2 Jan 2019 (FA8604-19-D-4024)
  - these contracts provide for the development, updating and management of the above standards with the following business goals: promote adaptability, flexibility, and expandability; support a variety of missions

- and domains; simplify integration; reduce technical risk and overall cost of ownership of weapon system programs; enable affordable technology refresh and capability evolution; enable reuse; enable independent development and deployment of system elements; and accommodate a range of cybersecurity approaches.
  - AFLCMC Wright Patterson AFB, OH (Contracts awarded Dec. 14-18, 2018)
- aerial refueling envelope expansion and objective tanker qualification testing in support of the E-2D aircraft → Patuxent River, MD (75%); Melbourne, FL (25%); N00019-15-G-0026; 31 Jan 2019
  - NAVAIR Patuxent River
- non-recurring engineering to incorporate the Multifunctional Information Distribution System/Joint Tactical Radio System into the E-2D aircraft in support of Japan → Melbourne, FL (75.15%); Norfolk, VA (8.98%); Ronkonkoma, NY (8.42%); St. Augustine, FL (6.34%); Misawa, Japan (.32); various locations in continental U.S. (.79%); N00019-13-C-9999; 4 Feb 2019
  - NAVAIR Patuxent River
- repair coverage of eight items that are part of the E-2D Advanced Hawkeye System → Woodland Hills, CA (50%); Syracuse, NY (50%); 5 March 2019
  - NAVSUP Weapon Systems Support, Philadelphia, PA, (N00383-19-D-UL01)
- aerial refueling retrofit kits for the E-2D Advanced Hawkeye aircraft → St. Augustine, FL (34.70%); Ronkonkoma, NY (28.86%); Melbourne, FL (5.50%); Dorset, England (3.11%); Irvine, CA (2.99%); Columbia, MD (1.93%); North Hollywood, CA (1.48%); East Aurora, NY (1.19%); various locations within the continental U.S. (20.24%); N00019-15-G-0026; 4 April 2019
  - NAVAIR, Patuxent River, MD
- full-rate production Lots 7-11 E-2D Advanced Hawkeye (AHE) aircraft; N00019-18-C-1037; \$3.169 billion → work in Melbourne, FL (20%); St. Augustine, FL (19%); Syracuse, NY (19%); Indianapolis, IN (5%); El Segundo, CA (5%); Menlo Park, CA (4%); Rolling Meadows, IL (2%); Air-sur-l'Adour, France (2%); Owego, NY (2%); Woodland Hills, CA (1%); Greenlawn, NY (1%); Edgewood, NY (1%); Windsor Locks, CT (1%); Marlboro, MA (1%); Independence, OH (1%); West Chester, OH (1%); Torrance, CA (1%); various locations within the continental U.S. (14%); 10 April 2019
  - NAVAIR, Patuxent River, MD
- fabrication of the Airborne Laser Mine Detection System (ALMDS) pod system. ALMDS detects, classifies and localizes near-surface, moored, sea mines → Melbourne, FL (51%); Tucson, AZ (32%); St. Charles, MO (6%); Irvine, CA (5%); Santa Clarita, CA (3%); Edgewood, NY (3%); N00024-15-C-6318; 24 April 2019
  - ALMDS is integrated with the MH-60S helicopter to provide rapid wide-area reconnaissance and assessment of mine threats in littoral zones, confined straits, choke points, and amphibious objective areas.
  - NAVSEA D.C.
- product support and software support activity efforts for the E-2D Advanced Hawkeye full-rate production Lot 7 → Melbourne, FL (72%); Liverpool, NY (14%); St. Augustine, FL (5%); Norfolk, VA (5%); Greenlawn, NY (2%); Woodland Hills, CA (1%); INpolis, IN (1%); N00019-18-C-1037; 29 April 2019
  - NAVAIR, Patuxent River, MD
- repair time on to achieve the required simulated flight hours → El Segundo, CA (59%); Melbourne, FL (35%); Bethpage, NY (6%); N00019-14-C-0036; 8 May 2019
  - NAVAIR Patuxent River
- E-2 aircraft high voltage power supplies; SPM4AX-12-D-9401; 11 July 2019
  - DLA Aviation, Philadelphia, PA
- E-2 aircraft power amplifier modules; SPM4AX-12-D-9401; 11 July 2019
  - DLA Aviation, Philadelphia, PA
- non-recurring engineering and obsolescence management to support delivery of 24 E-2D Advanced Hawkeye full-rate production Lot 7 – 11 aircraft → Melbourne, FL (33%); Syracuse, NY (19%); St. Augustine, FL (6%); Falls Church, VA (6%); Beavercreek, OH (6%); El Segundo, CA (5%); Woodland Hills, CA (3%); Indianapolis, IN (3%); Menlo Park, CA (3%); Edgewood, NY (3%); Pomezia, Italy (2%); Ronkonkoma, NY (2%); Aire-Sur-L'Adour, France (2%); Grand Rapids, MI (1%); Irvine, CA (1%); Independence, OH (1%); New Port Richey, FL (1%); various locations within CONUS (3%); N00019-18-C-1037; 29 Aug 2019;
  - Some FMS
  - NAVAIR Patuxent River
- E-2C compatible AN/APX-122A Mode 5/S interrogators for Japan → Greenlawn, NY (82%); Melbourne, FL (18%); N00019-15-G-0026; 26 Aug 2019
  - FMS funds \$9,938,480
  - NAVAIR Patuxent River
- FMS (Japan): non-recurring engineering to incorporate Phase II of the Multifunctional Information Distribution System/Joint Tactical Radio System on the E-2D → Melbourne, FL (75.15%); Norfolk, VA (8.98%); Ronkonkoma, NY

(8.42%); St. Augustine, FL (6.34%); various locations within the continental U.S. (0.79%); Misawa, Japan (0.32%); N00019-13-C-9999; 16 Sept 2019

- NAVAIR Patuxent River
- FMS (**Japan**): non-recurring and recurring engineering for production and delivery of nine E-2D Advanced Hawkeye aircraft → St. Augustine, FL (29.06%); Syracuse, NY (16.66%); Melbourne, FL (10.52%); El Segundo, CA (10.44%); Indianapolis, IN (4.76%); Menlo Park, CA (3.62%); Rolling Meadows, IL (2.55%); Doral, FL (2.54%); Edgewood, NY (1.80%); Aire-sur-l'Adour, France (1.71%); Woodland Hills, CA (1.67%); Liverpool, NY (1.58%); Owego, NY (1.42%); Greenlawn, NY (1.21%); Rockford, IL (1.12%); various locations inside and outside the continental U.S. (9.21% and 0.13%, respectively); N00019-18-C-1037; 26 Sept 2019 (**\$1.36B value**)
  - NAVAIR Patuxent River
- E-8C Joint Surveillance Target Attack Radar System (JSTARS) aircraft for Air National Guard; 27 Sept 2019
  - modernization and sustainment of 16 mission and one trainer aircraft, supporting current JSTARS Program Office and Air Combat Command projections of improvements to increase or maintain E-8C performance, capability, reliability, and maintainability at Robins AFB, GA; and Melbourne, FL
  - AFLCMC Robins AFB, GA, (FA8529-19-D-0002)

#### Northrop Grumman Orbital ATK (Palm Beach Gardens, FL)

- Enabling Technologies for High-Speed Operable Systems (ETHOS), Dual Mode Ramjet (DMRJ) design maturation; provides the DMRJ program to mature preliminary dual mode ramjet design to a critical design level, construct the DMRJ test article, and perform both direct connect and integrated free-jet testing → work in Ronkonkoma, NY; Palm Beach Gardens, FL; with Innoveering; FA8650-19-D-2406; 24 April 2019
  - AFRL Wright-Patterson AFB, Dayton, OH

#### Northrop Grumman (Huntsville, AL)

- FMS (**Poland**): two complete battery sets of Integrated Air and Missile Defense Battle Command System production hardware and software; 13 March 2019
  - Army Contracting Command, Redstone Arsenal, AL (W31P4Q-19-C-0003)

#### Northrop Grumman Systems Corp. (Rolling Meadows, IL)

- Large Aircraft Infrared Counter Measures (LAIRCM) equipment and support; LAIRCM line replaceable units, support equipment, logistics support related activities, systems and sustaining engineering, program management, and other efforts necessary supporting efforts specified in each task/delivery order; 17 Dec 2018
  - AFLCMC, Wright-Patterson AFB, OH, (FA8638-19-D-0001)
- sustainment, modernization, production, and development of the LITENING advanced targeting pod; 21 Dec 2018
  - AFLCMC, Robins AFB, GA (FA8540-19-D-0001)
- integration, testing, delivery, and performance as the lead systems integrator for the AN/AAQ-24 Large Aircraft Infrared Countermeasures System and the ALQ-213 Electronic Warfare Management System; services support of Lot 9 and 10 P-8A production aircraft for Navy and various FMS, including Australia and the U.K.; 12 Feb 2019
  - Naval Air Warfare Center Aircraft Division, Lakehurst, NJ (N68335-19-D-0023)
- D(V)2 Processors, Antenna Detectors; Radar Receivers; Low Band Arrays; Battery Handle Assemblies; Digital Receiver Processor Circuit Card Assemblies (CCAs); Radio Frequency Distribution CCAs; Dual Down Converter CCAs; Quad Receiver Exciter CCAs; Low Voltage Power Supply CCAs; Processors; ... C(V)2 Antenna Detectors; C(V)2 Radar Receivers; C(V)2 input/output Processor CCAs; C(V)2 Signal Processor Unit CCAs; 7 Advanced Main Processor Unit CCAs; 7 C(V)2 Digital Yttrium Iron Garnet (YIG) Interface CCAs; 7 C(V)2 Analog YIG Interface CCAs, and 5 C(V)2 Upgrade Kits; includes technical engineering, logistics and management services to fabricate, assemble, test and deliver AN/APR-39 C/D(V)2 Systems and associated hardware → Rolling Meadows, IL (53%); Woburn, MA (12%); Lansdale, PA (9%); Menlo Park, CA (6%); Longmont, CO (6%) various locations within the continental U.S. (14%); U.S. Navy (\$94,650,099; 80%); Army (\$15,949,693; 14%); FMS (\$5,650,203; 5%); and Air Force (\$1,118,085; 1%); N00019-17-C-0037; 28 Feb 2019
  - NAVAIR Patuxent River, MD
- hardware and systems engineering technical support, analysis and studies to integrate the Department of Navy Large Aircraft Infrared Countermeasures (LAIRCM) system onto aircraft for U.S. Navy (\$104,986,224; 79%); Army (\$19,606,871; 15%); UK (\$3,144,044; 2.5%); Norway (\$4,546,661; 3.5%) → Rolling Meadows, IL (34%); Goleta, CA (30%); Longmont, CO (11%); Columbia, MD (3%); various locations within the continental U.S. (22%); 30 April 2019
  - hardware includes the following weapon replaceable assemblies: 283 advanced threat warning sensors; 79 control indicator unit replaceables; 52 -2103 signal processors; 120 infrared missile warning sensors; 91 Guardian Laser Transmitter Assemblies (GLTAs); 13 multi-role electro-optical end-to-end test sets; 190 GLTA

- shipping containers; 46 high capacity cards; 10 LAIRCM signal processor replacements smart connector assemblies; and 123 personal computer memory card, international association cards.
  - NAVAIR, Patuxent River (N00019-19-C-0011)
- non-recurring engineering required to develop, qualify and test an updated APR-39D(V)2 processor configuration; In addition, this delivery order will procure 16 Digital Receiver Processor (DRP) 2 circuit card assemblies (CCA) for the Army and six for the Navy. Four of the six DRP2 CCAs procured for the Navy will be retrofitted into the APR-39D(V)2 processor establishing an updated configuration; N00019-15-G-0026; 31 July 2019
  - NAVAIR Patuxent River
- non-recurring engineering required to modify software to correct software deficiencies identified by the Navy and Marine Corps aircrews and test community in the Navy Large Aircraft Infrared Countermeasures AN/AAQ-24 system; N00019-15-G-0026; 31 July 2019
  - NAVAIR Patuxent River
- Common Infrared Countermeasure Quick Reaction Capability 3; 31 July 2019
  - Army Contracting Command, Redstone Arsenal, AL, (W58RGZ-19-D-0110)
- FMS (**Netherlands**): AN/ALQ-131 (V) electronics countermeasures pod upgrade; program is focused on the redesign of the ALQ-131 Digital Receiver Exciter and ALM-256 Intermediate Level Support Equipment; FA8523-19-D-0007; 16 Aug 2019
  - AFLCMC Robins AFB

#### Northrop Grumman (Sierra Vista, AZ)

- Hunter Contractor Logistics Support; W58RGZ-17-C-0019; 30 Oct 2018
  - o Army Contracting Command, Redstone Arsenal, AL
- operations, maintenance, engineering, re-engineering and remanufacturing of Hunter unmanned aircraft system; 10 May 2019
  - o Army Contracting Command, Redstone Arsenal (W58RGZ-19-C-0033)
- Hunter UAS engineering services; 27 Sept 2019
  - o Army Contracting Command Redstone Arsenal (W58RGZ-19-D-0030)

#### Northrop Grumman Orbital ATK (Chandler, AZ)

- develop a Launch System Prototype for the Evolved Expendable Launch Vehicle (EELV) program → Chandler, AZ; Magna and Promontory, UT; luka, MS; West Palm Beach, FL; Sandusky, OH; Michoud, LA, with launch facilities at Kennedy Space Center and Vandenberg AFB; agreement requires shared cost investment for the development of the Omega launch system; 10 Oct 2018
  - o Space & Missile Systems Center, Launch Systems Enterprise Directorate, Los Angeles AFB, CA FA8811-19-9-0002
- Sounding Rocket Program-4 (SRP-4); provides suborbital launch services and launch support services necessary to accomplish Rocket Systems Launch Program's suborbital mission; for sub-orbital research, development, and test launch services, including prototype demonstrations and missile defense targets → Chatsworth, CA; Chandler, AZ, and a variety of government launch sites, depending on mission requirements; FA8818-19-D-0002; 16 Nov 2018 w Space Vector Corp. (Chatsworth, CA)
  - o Space & Missile Systems Center, Kirtland AFB, NM
- GQM-163A Coyote supersonic sea skimming target base vehicles, full-rate production lot 13, for U.S. Navy (\$43,378,169; 93%); Army (\$3,093,639; 7%) → work in Chandler, AZ (50%); Camden, AR (37%); Vergennes, VT (6%); Lancaster, PA (5%); Hollister, CA (2%); N00019-18-C-1047; 19 Dec 2018
  - o "The Army procured target vehicle will be used to test and evaluate the Lower Tier Air and Missile Defense Sensor, Limited User Test target system."
  - o NAVAIR, Patuxent River, MD
- provide Intercontinental Ballistic Missile target capability upgrade kits and associated nonrecurring engineering; HQ0147-11-C-0006; 2 May 2019
  - o MDA, Huntsville, AL
- provide MDA with threat-representative subscale targets with simple and complex re-entry vehicles as well as storage, surveillance, maintenance of delivered hardware and software, and range execution of end items; 20 Sept 2019
  - o MDA Huntsville (HQ0147-19-C-0005)

#### Northrop Grumman Systems Corp. (Oklahoma City, OK)

- B-2 hot trailing edge production units for USAF; 13 Sept 2019
  - o DLA Aviation, Tinker AFB, OK (SPRTA1-19-D-0001)
- the B-2 Crystal Oscillator Replacement Engineering Services; engineering labor services for B-2 Crystal Oscillator replacement → Oklahoma City, OK; Heath, OH; Redondo Beach, CA; Mitchel Field, NY; Placentia, CA; 30 Sept 2019
  - o Air Force Sustainment Center, Tinker AFB, OK (FA8117-19-C-0007)

#### Northrop Grumman Orbital ATK (Fort Worth, TX)

- FMS (**Iraq**): contractor logistic support on Iraqi Air Force's Cessna 208 fleet and the 208/172 Trainer fleet; FA8106-16-C-0004; 26 Dec 2018
  - o AFLCMC, Tinker AFB, OK
- FMS (**Lebanon**): sustainment services for Lebanese Air Force Armed Caravan Program; provides field service reps, repair and return, calibration, support equipment and spares → Beirut, Lebanon; 21 June 2019
  - o AFLCMC, Wright-Patterson AFB, OH (FA8620-19-C-3001)



#### Northrop Grumman Orbital ATK (Plymouth, MN)

- Precision Guidance Kit M1156; W15QKN-13-C-0074; 21 Feb 2019
  - o Army Contracting Command, NJ
- 120mm tank training ammunition M1002 new production cartridges and 120mm tank training ammunition M865 recapitalized cartridges; W52P1J-17-C-0025; 27 March 2019
  - o Army Contracting Command, Rock Island Arsenal, IL
- 120mm Advanced Multipurpose XM1147 High Explosive Multi-Purpose with Tracer cartridge → Plymouth, MN; Rocket Center, WV; Middletown, IA; Clear Lake, South Dakota; Shafer, MN; Green Bay, WI; Coachella, CA; W15QKN-15-C-0066; 30 April 2019
  - o Army Contracting Command, NJ
- automatic feeders for U.S. Army → MN and AZ; 17 May 2019
  - o DLA Land and Maritime, Warren, MI (SPRDL1-19-C-042)
- automatic feeders in MN and AZ; 17 June 2019
  - o DLA Land and Maritime, Warren (SPRDL1-19-C-042)

#### Northrop Grumman (Clearfield, UT)

- T-38 and F-5 sustaining engineering; 2 April 2019
  - o AFLCMC Hill AFB, UT (FA8220-19-D-0001)

#### Northrop Grumman Orbital ATK, now Innovation Systems (Northridge, CA)

- design and development studies and engineering services for rapid technology development of Orbital ATK products; N68936-15-D-0019 → China Lake, CA; 22 Oct 2018
  - o Naval Air Warfare Center Weapons Division, China Lake, CA
- engineering and manufacturing development of AGM-88G, Advanced Anti-Radiation Guided Missile – Extended Range (AARGM-ER); includes design, integration, and test of a new solid rocket motor for AARGM-ER for use on the F/A-18E/F, EA-18G and F-35A/C aircraft platforms → Northridge, CA (98%); Ridgecrest, CA (2%); 7 March 2019
  - o NAVAIR Patuxent River, MD (N00019-19-C-0050)
- Common Munition Built-In-Tester Reprogramming Equipment (CMBRE) production units; items associated w the CMBRE system: AN/GYQ-79A CMBRE Plus, ADU-890/E, ADU-891-(V) 1/E, ADU-891-(V) 3/E, CMBRE initial spares kits and assorted items; 17 June 2019
  - o AFLCMC Robins AFB, GA (FA8533-19-D-0009)
- Advanced Anti-Radiation Guided Missiles (AARGM) production, lot 8; conversion of U.S. government-provided AGM-88B into 260 AGM-88E all-up-rounds and 3 Captive Air Training Missiles; includes supplies and services required for manufacture, spares, and fleet deployment → Northridge, CA (80%); Ridgecrest, CA (20%); 29 July 2019
  - o NAVAIR Patuxent River, MD (N0001919C0049)
- Advanced Anti-Radiation Guided Missile (AARGM) full-rate production, lot 8, for U.S. Navy (\$2,334,813; 22%); Italy (\$8,305,985; 78%); conversion of government-provided AGM-88B High Speed Anti-Radiation Missiles (HARM) into 4 AGM-88E AARGM all up rounds for U.S. Navy; 11 AGM-88E AARGM for Italy, to include related supplies and services necessary for their manufacture, sparing, and fleet deployment → Northridge, CA (80%); Ridgecrest, CA (10%); Sanguinetto, Italy (10%); N00019-19-C-0049; 18 Sept 2019
  - o NAVAIR Patuxent River

#### Northrop Grumman (San Diego, CA)

- Japan Global Hawk program: three RQ-4 Global Hawk Block 30i air vehicles each containing an enhanced integrated sensor suite payload, two ground control elements, spares and support equipment, system engineering and program management tasks required to execute, manage, control, and report on all program activities, and a site survey; FA8620-18-C-1000; issued 19 Nov 2018 (later corrected to be awarded on 20 Nov)
  - o AFLCMC, Wright-Patterson AFB, OH
- Battlefield Airborne Communications Node, payload operations and sustainment; FA8726-18-C-0005; 22 Jan 2019
  - o AFLCMC, Hanscom AFB, MA
- software design and system integration, qualification testing, and cybersecurity activities as well as engineering services in support the MQ-8 Fire Scout drone; N00019-17-C-0033; 25 Jan 2019
  - o NAVAIR Patuxent River, MD
- Fire Scout MQ-8C and two lightweight fuel cells → San Diego, CA (33%); Ozark, AL (27%); Fort Worth, TX (18%); Moss Point, MS (16%); various locs continental U.S. (6%); N00019-16-C-0055; 30 Jan 2019
  - o NAVAIR Patuxent River
- sustainment and engineering services on the MQ-4C Triton drone; also provides technical expertise of field service representatives, logisticians and test support to ensure MQ-4C air vehicles and mission control and operator training

systems are fully sustained and mission capable → Patuxent River, MD (45%); Jacksonville, FL (25%); Eriksen AFB, Guam (20%); Point Mugu, CA (10%); 11 March 2019

- NAVAIR Patuxent River (N00019-19-C-1020)
- upgrade MQ-4C Triton aircraft from a baseline Integrated Functional Capability (IFC) 3 software configuration to a Multi-IFC 4 software configuration; also updates drawings and associated technical data in support of the MQ-4C IFC software configuration upgrade → Palmdale, CA (48%); San Diego, CA (38%); Moss Point, CA (14%); N00019-17-C-0018; 1 April 2019
  - NAVAIR, Patuxent River
- long lead components, material, parts, and associated efforts required to maintain MQ-4C Triton Unmanned Aircraft System planned low rate initial production, lot 4 production schedule → San Diego, CA (25.3%); Baltimore, MD (22.7%); Salt Lake City, UT (20.2%); Bridgeport, WV (8.2%); Red Oak, TX (4.7%); Vandalia, OH (.2%); various locs w/in CONUS (15.1%); various locs OCONUS (3.6%); N00019-18-C-1028; 1 April 2019
  - NAVAIR, Patuxent River
- Broad Area Maritime Surveillance -Demonstrator Program operation & maintenance services, including logistics and sustaining engineering support → Patuxent River, MD (70%); Rancho Bernardo, CA (5%), and forward operating locations (25%); N00019-18-C-1009; 28 May 2019
  - NAVAIR Patuxent River
- long-lead components for manufacture and delivery of three M-4C Triton (LRIP lot 5) for the Navy (2); Australia (1); also provides equipment and associated materials for three ground stations for Navy (2); Australia (1) → San Diego, CA (27.7%); Salt Lake City, UT (15.5%); Baltimore, MD (14.7%); Waco, TX (9.3%); Bridgeport, West VA (8%); Red Oak, TX (6.2%); various locations in U.S. (18.6%); 29 May 2019
  - Navy (\$38,250,000; 58.7%); Australia (\$26,923,723; 41.3%)
  - NAVAIR Patuxent River (N00019-19-C-0008)
- design, integration and procurement of sufficient quantities of situational awareness data link, external time reference for Battlefield Airborne Communications Node fleet; FA8726-18-C-0005; 28 June 2019
  - AFLCMC, Hanscom AFB, MA
- material kits and retrofit labor to incorporate Integrated Functional Capability 4.0 configuration into retrofit MQ-4C Triton aircraft and ground segments → San Diego (41.2%); Palmdale, CA (30.7%); Waco, TX (9.9%); Salt Lake City, UT (2.9%); Newtown, North Dakota (2.5%) Verona, WI (1.6%); Sterling, VA (1.5%); Irvine, CA (1%); San Clemente, CA (0.7%); and various locations inside and outside the continental U.S. (7.9% and 0.1%, respectively); N00019-15-G-0026; 22 July 2019
  - NAVAIR Patuxent River
- incorporate integrated functional capability 4.0 into low-rate initial production lot 2 MQ-4C Triton B12 → Palmdale, CA (41.6%); San Diego (34.2%); Waco, TX (5.3%); Verona, WI (2.4%); Salt Lake City, UT (1.7%); Irvine, CA (1.5%); San Clemente, CA (1%); Saint Peters, MO (0.7%); Menlo Park, CA (0.7%); Ronkonkoma, NY (0.5%); Grove, OK (0.5%); various locations inside and outside the continental U.S. (9.8% and 0.1%, respectively); N00019-15-C-0002; 22 July 2019
  - NAVAIR Patuxent River
- Multi Function Active Sensor Radar Systems for the MQ-4C; N00019-15-G-0026; 23 Sept 2019
  - DLA Aviation, Philadelphia, PA

#### Northrop Grumman (Azusa, CA)

- Defense Support Program (DSP) on-orbit satellite and anomaly resolution support; provides root-cause analysis as a key component of the lifetime extension of DSP → Azusa, CA; Aurora, CO; Colorado Springs, CO; 3 Jan 2019
  - Space & Missile Systems Center, Peterson AFB, CO
- Defense Meteorological Satellite Program sensor sustainment → Azusa, CA; Baltimore, MD; Boulder, CO; Dallas, TX; FA8803-17-C-0001; 24 May 2019
  - Space & Missile Systems Center, Los Angeles AFB, CA
- DSP on-orbit satellite and anomaly resolution support in Azusa, CA; Aurora, CO; Colorado Springs, CO; FA8810-15-C-0001; 27 Sept 2019
  - Space & Missile Systems Center, Peterson AFB

#### Northrop Grumman Systems Corp. (Redondo Beach, CA)

- Cyber Mission Engineering support services and provide for delivery of information warfare capabilities through sea, air, land, space, electromagnetic, and cyber domains through the full range of military operations and levels of war; N6523619D4808; 30 Nov 2018 w BAE, BAH, CACI, GD, Leidos, NG, etc.

- on-orbit operations and sustainment for the Space Tracking & Surveillance System → work at Missile Defense Space Center at Colorado Springs, CO; and at Northrop Grumman Aerospace Systems in Redondo Beach, CA; F04701-02-C-0009; 8 Feb 2019
  - o MDA Colorado Springs, CO
- Advanced Turbine Technologies for Affordable Mission (ATTAM) capability Phase I; develop, demonstrate, and transition advanced turbine propulsion, power and thermal technologies that provides improvement in affordable mission capability; the approach extends to a range of legacy, emerging, and future military propulsion, power and thermal technology needs in multiple applications; 14 Feb 2019
  - o AFRL Wright-Patterson AFB, OH (FA8650-19-D-2060, FA8650-19-F-2075)
- changes to the payload driven by selection of a host space vehicle; delivers two Enhanced Polar System Recapitalization (EPS-R) payloads; FA8808-18-C-0002; 7 Aug 2019
  - o Space & Missile Systems Center, Los Angeles AFB

#### Northrop Grumman Systems Corp Marine Systems (Sunnyvale, CA)

- support for technical engineering services, design and development engineering, component and full scale test and evaluation engineering, and tactical underwater launcher hardware production supporting development and production of the Common Missile Compartment; N00030-16-C-0015 → Sunnyvale, CA (55%); Ridgecrest, CA (20%); Cape Canaveral, FL (10%); Bangor, WA (5%); Kings Bay, GA (5%); Barrow-In-Furness, UK (2%); New London, CT (1%); Quonset Point, RI (1%); Arlington, VA (1%); 31 Oct 2018
  - o Strategic Systems Programs, D.C.
- technical engineering services, design and development engineering, component and full scale test and evaluation engineering, and tactical underwater launcher hardware production to support development and production of Common Missile Compartment → Sunnyvale, CA (55%); Ridgecrest, CA (20%); Cape Canaveral, FL (10%); Bangor, WA (5%); Kings Bay, GA (5%); Barrow-In-Furness, UK (2%); New London, CT (1%); Quonset Point, RI (1%); Arlington, VA (1%) 12 March 2019
  - o Strategic Systems Programs, D.C. (N00030-19-C-0015)
- technical engineering services, design and development engineering, component and full scale test and evaluation engineering to support the Underwater Launcher Subsystem ULS → Sunnyvale, CA (55%); Ridgecrest, CA (20 %); Cape Canaveral, FL (10%); Bangor, WA (5%); Kings Bay, GA (5%); Barrow-In-Furness, England (2%); New London, CT (1%); Quonset Point, RI (1%); Arlington, VA (1%); N00030-16-C-0010; 27 Sept 2019
  - o Strategic Systems Programs, D.C.

#### Northrop Grumman Systems Corp. (Woodland Hills, CA)

- Embedded Global Positioning Systems and Inertial Navigation Systems (INS); consisting of platform integration, modernization, diminishing manufacturing sources, flight test support, technical support following integration efforts, training, engineering support/studies, contractor depot repair, spares, and data for the INS; FA8540-14-D-0001; 29 Nov 2018 via AFLCMC, Robins AFB, GA
- engineering, manufacturing, and development of Embedded GPS and INS; 29 Nov 2018
  - o AFLCMC, Robins AFB (FA8540-19-C-0001)
- technical refresh mission computers for UH-1Y, AH-1Z and UH-60V aircraft, including production units; retrofit units; and spare units for Marine Corps, DLA, and **Bahrain** → Salt Lake City, UT (55%); Baltimore, MD (25%); Woodland Hills, CA (20%); 29 March 2019
  - o NAVAIR Patuxent River, MD (N0001919D0025)
- additional technical refresh mission computers for AH-1Z aircraft, including trainer units and spare units for **Bahrain** → Salt Lake City, UT (55%); Baltimore, MD (25%); Woodland Hills, CA (20%); N0001919D0025; 9 May 2019
  - o NAVAIR Patuxent River
- Embedded GPS / INS (“EGI”) engineering, manufacturing and development; to incorporate a modernized GPS receiver card into existing fielded and reducing the number of configurations of future production EGIs; FA8540-19-C-0001; 16 May 2019
  - o AFLCMC, Robins AFB
- Embedded GPS Inertial Navigation System Modernization (EGI/EGI-M) follow-on production and sustainment → Woodland Hills, CA; and Salt Lake City, UT; 27 Sept 2019 (**\$1.39B value**)
  - o AFLCMC Robins AFB (FA8576-19-D-0001)