

#### Raytheon (Aberdeen Proving Ground, MD)

- Identify Friend or Foe transponders and ancillary equipment → Largo, FL; FA8730-17-D-0006; issued 19 Dec 2018
  - o Aerospace Management Systems, Hanscom AFB, MA
- retrofit the F-15 fleet; Identify Friend of Foe units, which provides Mode 5 capability for APX-114 and APX-119 on the F-15 models C/D/E via a hardware retrofit and software upgrade; units also provide NSA-approved cryptography and "robust" anti-jam interrogation and reply encryption capabilities; 13 March 2019
  - AFLCMC, Wright-Patterson AFB, OH (FA8634-19-C-2700)
- retrofit F-15 fleet with Mode 5 capable IFF units at Aberdeen Proving Ground, MD, and Largo, FL; FA8634-19-C-2700; 6 June 2019
  - o AFLCMC, Wright-Patterson AFB, OH

#### Raytheon Solipsys Corp. (Fulton, MD)

- licenses and lifecycle support activities to upgrade & sustain the Multi Source Correlator Tracker and Tactical Display Framework software applications within the Common Aviation Command and Control software baseline; program is managed within the portfolio of Program Executive Officer Land Systems, Quantico, VA; 30 May 2019
  - o USMC Systems Command, Quantico, VA

#### Raytheon (Dulles, VA)

- provide knowledge based professional engineering support services for programs with C4ISR related requirements; W15P7T-19-D-0184; 18 Oct 2018
  - o part of \$37,400,000,000 shared among 388 bidders
  - o Army Contracting Command, Aberdeen Proving Ground, MD
- Troposcatter Transmission System, spares, repairs, warranty, system engineering, field support, training and sustainment; 29 April 2019
  - o Army Contracting Command, Aberdeen Proving Ground (W15P7T-19-D-0218)
- persistent surveillance and dissemination system of systems and mission video distribution system services at Shaw AFB, SC, and Al Udeid Air Base, Qatar; FA4890-17-C-0014; 1 July 2019
  - o HQ ACC, Acquisition Management and Integration Center, Joint Base Langley-Eustis, VA

#### Raytheon IDS (Fullerton, CA)

- signal data processor kits; issued 19 Dec 2018
  - o Army Contracting Command, Redstone Arsenal, AL (W31P4Q-19-C-0021)
- Enhanced Sentinel A3 radars and associated spares; 28 Dec 2018
  - o Army Contracting Command, Redstone Arsenal (W31P4Q-19-C-0018)
- Sentinel life cycle support; 28 Dec 2018
  - o Army Contracting Command, Redstone Arsenal (W31P4Q-19-C-0044)
- Joint Precision Approach & Landing Systems (JPALS) production and installation engineering development model unit upgrade kits, engineering change proposals, and associated data → Fullerton, CA (68%); Cedar Rapids, IA (22%); Indianapolis, IN (10%); 22 May 2019
  - o NAVAIR Patuxent River, MD (N00019-19-C-0020)
- design prototype and test a replacement JPALS Ship GPS Sensor Unit (SGSU); resolves obsolescence driven by part shortages in the Digital Integrated GPS Anti-Jam Receiver, a major subassembly of the SGSU → Cedar Rapids, IA (59.4%); Fullerton, CA (40.4%); Indianapolis, IN (0.2%); N00019-16-C-0052; 22 May 2019
  - o NAVAIR Patuxent River
- Situation Awareness Data Link program. Provides software maintenance and engineering services support services; 27 June 2019
  - o AFLCMC, Robins AFB, GA (FA8574-19-D-0001)
- engineering and technical services to support the Sentinel Radar; 31 July 2019
  - o Army Contracting Command, Redstone Arsenal, AL (W31P4Q-19-D-0030)
- signal data processor kits for Sentinel A3 radars → Fullerton, CA; 21 Aug 2019
  - o Army Contracting Command, Redstone Arsenal
- field service reps to deploy, operate, and sustain Sentinel radar; W31P4Q-19-C-0044; 29 Aug 2019
  - o Army Contracting Command, Redstone Arsenal
- Enhanced Sentinel A3 Radars and associated spares in support of the European Deterrence Initiative and future Initial Maneuver-Short Range Air Defense battalions; W31P4Q-19-C-0018; 27 Sept 2019
  - o Army Contracting Command Redstone Arsenal

## Raytheon (San Diego, CA)

- continued platform systems engineering agent support of the ship self-defense system MK 2; N00024-14-C-5128; 10 Dec 2018
  - o NAVSEA D.C.
- life cycle engineering and support (LCE&S) services for LPD 17 class integrated shipboard electronic systems; San Diego, CA (80%); Norfolk, VA (15%); Sasebo, Japan (3%); Mayport, FL (1%); Pascagoula, MS (1%); N00024-15-C-2414; 20 Dec 2018
  - o NAVSEA, Washington, D.C.
- Multi-Spectral Targeting System (MTS) sensor support; provide subject matter expertise as a member of a government-led sensor development and demonstration team and will provide research, development, fielding, and test support, operations, maintenance, and as-needed repairs on the government-owned MTS-class sensors; Raytheon is the sole designer, developer, and manufacturer of the MTS-class sensor → work in El Segundo and San Diego, CA; HQ0147-18-R-0013; 11 Jan 2019
  - o MDA Redstone Arsenal (HQ0147-19-D-0013)

## Raytheon (El Segundo, CA)

- R&D of Millimeter-Wave Digital Arrays (MIDAS), a DARPA program; address MIDAS' goals "through innovations in digital tile architecture and integrated, scalable apertures with groundbreaking transmit and receive components" → El Segundo, CA; 5 Nov 2018
  - o AFRL Wright Patterson AFB (FA8650-19-C-7993)
- Precision Real-Time Engagement Combat Identification Sensor Exploitation (PRECISE) program; develop technologies that continue to advance combat ID for warfighters; PRECISE will "leverage current efforts supporting the Air-to-Air Hydration program, and is principally focused on radar-based identification of air and ground targets for airborne platforms, both tactical and reconnaissance"; effort may investigate other sensors to include electro-optical, infrared, and multi-and hyperspectral; improvements may include technical assessments; prototype hardware & software modifications and development; systems engineering development; performance simulations; system integration; lab and flight demonstrations, and participation in exercises; 19 Dec 2018
  - o AFRL Wright-Patterson AFB (FA8650-19-C-1673)
- formation (w NG, Boeing, General Atomics, etc.) of a collaborative working group of 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; contracts provide for development, updating and management of the above standards with the following business goals: promote adaptability, flexibility, and expandability; support a variety of missions & 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 → Nashua, NH; St. Louis, MO; Poway, CA; Westford, MA; Clifton, NH; Fort Worth, TX; Melbourne, FL; 27 Dec 2018; 2 Jan 2019 (FA8604-19-D-40250)
  - o AFLCMC Wright Patterson AFB, OH
- components to complete Configuration D Retrofit Component engineering change proposals for Boeing F/A-18E/F and EA-18G aircraft for U.S. Navy (\$80,692,484; 99%) and Australia (\$532,143; 1%) → Forest, MS (53%); Hanover, MA (36%); El Segundo, CA (11%); N00019-17-C-0042; 2 Jan 2019
  - o NAVAIR Patuxent River, MD
- upgrade of the sensor system software and hardware for F/A-18/EA-18G tactical capabilities; services include technical support for hardware and software anomaly investigation, design, development, documentation, integration, test, and evaluation of systems and support equipment; 11 Feb 2019
  - o NAWCWD China Lake, CA (N6893619D0001)
- antennae for U.S. Navy aircraft; SPRPA1-17-G-C301; 28 Feb 2019
  - o DLA Aviation, Philadelphia, PA
- engineering and test support services for ALQ-249 Next Generation Jammer (NGJ) currently in development for Navy EA-18G aircraft; services include software support for NGJ pod and integration, including requirements analysis, design, development, integration, testing, training, and tools related to and in support of ALQ-249 and electronic warfare initiatives → El Segundo, CA (75%); Point Mugu, CA (25%); 6 March 2019
  - o Naval Air Warfare Center Weapons Division, Point Mugu, CA (N68936-19-D-0017)
- aircraft radar system spare parts for USA and Canada; SPRPA1-17-G-C301; 6 March 2019
  - o DLA Aviation, Philadelphia
- repair weapon repairable assemblies for APG-79 active electronically scanned array radar system used on the F/A-18 aircraft → Forest, MS; 27 March 2019
  - o NAVSUP Weapon Systems Support, Philadelphia (N00383-19-D-UP01)

- next generation application specific integrated circuit Preliminary Design Review (PDR); provides design, develop and test of modernized GPS receivers that are intended for future military applications to the PDR level; 28 June 2019
  - o Space & Missile Systems Center, Los Angeles AFB (FA8807-19-C-0002)
- pre-operational support for the Next Generation Jammer-Mid Band pod through the completion of the engineering, manufacturing and development (EMD) phase as well as development, test and evaluation (DT&E) activities → Forest, MS (39%); Dallas, TX (35%); El Segundo, CA (16%); Andover, MA (8%); Fort Wayne, IN (2%); 26 Aug 2019
  - o NAVAIR Patuxent River, MD
- Technologies for the Mixed-mode Ultra Scaled Integrated Circuits (T-MUSIC) effort; effort will develop advanced mixed-mode RF components and sub-systems leveraging the T-MUSIC platform → El Segundo, CA; Andover, MD; and Thousand Oaks, CA; 23 Sept 2019
  - o T-MUSIC technology combines advanced silicon-germanium with advanced CMOS to enable ultra-wide bandwidth, high spurious free dynamic range and fine data converter resolution with high effective number of bits beyond current state-of-the-art.
  - o See <[www.darpa.mil/attachments/T-MUSIC\\_Proposers%20Day\\_Presentations.pdf](http://www.darpa.mil/attachments/T-MUSIC_Proposers%20Day_Presentations.pdf)>
  - o AFRL Wright-Patterson AFB (FA8650-19-C-7934)

#### Raytheon Vision System (Goleta, CA)

- Fortress Program: push the state-of-the art infrared focal plane arrays; seek to develop larger format and/or high operating temperature mid-wave infrared focal plane arrays for persistent surveillance applications; FA9453-17-C-0038; 26 Nov 2018
  - o AFRL Kirtland AFB, NM
- demonstrate existing technologies (DET) for the Dual Band Decoy Program; 13 June 2019
  - o DET will demonstrate expanded capabilities of the Integrated Defensive Electronic Countermeasures AN/ALE-55 Fiber Optic Towed Decoy and AN/ALE-50 Advanced Airborne Expendable Decoy used on Boeing F/A-18E/F
  - o NAVAIR Patuxent River, MD (N0001919C1026)
- DARPA research project → Goleta, CA; Waltham, MA; Irvine, CA; Oxnard, CA; Joplin, MO; HR0011-19-C-0010; 5 Aug 2019
  - o DARPA, Arlington, VA
- 82 F/A18 CD-108B/ALE-50(V) Control, Dispenser, Decoy, Countermeasures Integrated Multi-platform Launch Controllers lot 14 full-rate production → Forrest, MS (45%); Andover, MA (25%); Goleta, CA (20%); locations within contiguous U.S. (10%); N00019-18-C-1055; 9 Aug 2019
  - o NAVAIR Patuxent River, MD

#### Raytheon (Huntsville, AL)

- Army Integrated Air & Missile Defense plug and fight A-Kit materials & support; W31P4Q-16-D-0020; 28 Feb 2019
  - o Army Contracting Command, Redstone Arsenal, AL

#### Raytheon (Indianapolis, IN)

- repair APG 65/73 radar systems on F/A-18 aircraft; N00383-18-G-N801; 20 Dec 2018
  - o NAVSUP Weapon Systems Support, Philadelphia, PA
- support radar antenna system overhauls, coatings, shipboard installations and removals, and incidental technical support services for the following Radar Restoration systems: AN/SPS-48, AN/SPS-49, AN/SPS-67(V)1, AN/SPS-40, AN/SPS-73, AN/SPS-67(V)3/5, AN/SPQ-9B, AN/SPS-55, AN/SPS-75 and AN/SPS-77 → Odon, IN (75%); Indianapolis, IN (25%); 26 March 2019
  - o all systems in the Radar Restoration Program are in the sustainment phase of their life cycle; restored systems provided via this action are the above-deck components; involves FMS to Taiwan
  - o Naval Surface Warfare Center, Crane Division, IN (N00164-19-D-WP40)
- F-16 engineering services, organic depot stand-up support, interim support, and production support of the F-16 Center Display Unit; 8 April 2019
  - o AFLCMC F-16 Contracting Branch, Hill AFB, UT (FA8232-19-D-0005)
- LAU-115 and LAU-116 guided missile launchers for U.S. Navy as well as LAU-115 and LAU-116 guided missile launchers for Kuwait to enable F/A-18 aircraft to carry and launch AIM-120 and AIM-9X missiles; 9 April 2019
  - o NAVAIR, Patuxent River (N00019-19-C-0056)
- Air Soldier System engineering services; 31 July 2019
  - o Army Contracting Command, Redstone Arsenal (W58RGZ-19-D-0109)

- LAU-115 D/A missile launchers; LAU-116 B/A missile launchers left hand; and LAU-116 B/A missile launchers right hand; N00019-19-C-0056; 5 Aug 2019
  - o NAVAIR Patuxent River
- V-22 Software Support Activity (SSA) systems and software engineering, avionics integration and testing, software testing, avionics acquisition support, and SSA operations to include classified and unclassified laboratories, configuration & data management, and release of avionics software products and related systems; N00019-15-G-0003; 22 Aug 2019
  - o Navy (\$17,456,960; 58%); Air Force (\$10,847,531; 36%); DOD (\$1,615,157; 6%)
  - o NAWCAD Patuxent River

#### Raytheon (Fort Wayne, IN)

- AN/ARC-231 Multiple-Mode Aviation Radio Suite, hardware components, repair services, technical, engineering and logistical support services; 7 Feb 2019
  - o Army Contracting Command, Aberdeen Proving Ground, MD (W56JSR-19-D-0014)

#### Raytheon (Largo, FL)

- design agent and engineering services efforts to support the Cooperative Engagement Capability (CEC) → St. Petersburg, FL (95%); Largo, FL (5%); 8 May 2019
  - o NAVSEA D.C. (N00024-19-C-5200)
- design agent and engineering services to support CEC program; perform advanced studies & integration as well as software sustainment and support; N00024-19-C-5200; 23 Sept 2019
  - o NAVSEA D.C.

#### Raytheon IDS (St. Petersburg, FL)

- Common Array Block antenna pre-production unit requirements in support of CEC program<sup>1</sup> → Largo, FL (70%); Andover, MA (30%); N00024-13-C-5230; 15 Nov 2018
  - o NAVSEA D.C.

#### Raytheon (McKinney, TX)

- Engineering Change Proposal 0043 for Advanced Targeting Forward Looking Infrared Processor and Video Obsolescence Avoidance system upgrade; N00019-15-G-0003; issued 1 Nov 2018
  - o This “productionizes the Input Image Processor Version 2 (I2P2) Circuit Card Assembly (CCA)”; updates associated support test equipment; and performs “I2P2 CCA qualification to enable future growth and mitigate potential obsolescence issues.”
  - o NAVAIR, Patuxent River, MD
- repair the Advanced Targeting Forward Looking Infrared system used on F/A-18 aircraft → McKinney, TX (77%); Jacksonville, FL (20%); El Segundo, CA (3%); N00383-15-G-005D; 18 Dec 2018
  - o NAVSUP Weapon Systems Support, Philadelphia, PA
- display control modules for the General Dynamics Abrams tank; issued 18 Dec 2018
  - o DLA Land and Maritime, Warren, MI (SPRDL1-19-C-0070)
- MQ-9 drone sensors contractor logistics support; program management, contractor-filed service-representative support, depot repair, depot maintenance, sustaining engineering support, supply & logistics support, configuration management, tech data maintenance, software maintenance, inventory control point, and warehouse support for MQ-9 sensors; 21 Dec 2018
  - o The MQ-9 is a General Atomics product.
  - o AFLCMC, Robins AFB, GA (FA8528-19-C-0002)
- repair APY-10 radar used on Boeing P-8A aircraft → Jacksonville, FL (66%); McKinney, TX (34%); N00383-14-G-005D; 9 Jan 2019
  - o NAVSUP Weapon Systems Support, Philadelphia, PA
- Silent Knight Radar Operational Flight Program development, field service rep support, and engineering in support of SOCOM fixed wing aircraft; H92222-18-D-0003; 12 Feb 2019
  - o SOCOM Headquarters, Tampa, FL
- APY-10 Radar System production kits for U.S. Navy, four for U.K., and five for Norway, as well as related services in support of P-8A lot 10 production aircraft for U.S. Navy (\$9,168,076; 23%); FMS (\$30,550,733; 77%) → McKinney, TX (77.1%); Hanover (7.2%), Chelmsford (3.4%), MA; Woodland Park, NJ (3.3%); Black

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<sup>1</sup> “The Common Array Block antenna is an integral component of the CEC system. CEC is a sensor netting system that significantly improves battle force anti-air warfare capability by extracting and distributing sensor-derived information such that the superset of this data is available to all participating CEC units. CEC improves battle force effectiveness by improving overall situational awareness and by enabling longer range, cooperative, multiple, or layered engagement strategies.”

Mountain, NC (1.8%); San Carlos, CA (1.7%); Ashburn, VA (1.6%); Etobicoke, Ontario, Canada (1.4%); Simsbury, CT (1.3%); Clearwater, FL (1.2%); N00019-15-C-0116; 26 March 2019

- NAVAIR Patuxent River, MD
- logistics maintenance capability, repair parts, replenishment material, configuration management, product assurance support, special engineering studies, system engineering, failure analysis, test and evaluation, equipment publications, obsolescence redesigns, test evaluation material for repairs, field service representative technical assistance, and contractor repair in support of the TOW Improved Target Acquisition System; 1 April 2019
  - Army Contracting Command, Redstone Arsenal, AL (W31P4Q-19-C-0069)
- DAS-4 production and upgrades; provides additional 54 AN/DAS-4 Multi-Spectral Targeting System Model B High Definition/Target Location Accuracy (HD/TLA) turrets and one DAS-1A to DAS-4 turret unit upgrade; FA8620-18-C-2001; 26 April 2019
  - Involves some FMS to the **Netherlands**
  - AFLCMC Wright-Patterson AFB, OH
- CH-53K Helicopter Night Vision System AN/AAQ-44 Forward Looking Infrared kits, system development and demonstration ground and flight test support, parts obsolescence analysis, repair analysis, repair of repairables, system conversion, and logistical documentation; N00019-15-G-0003; 30 April 2019
  - NAVAIR, Patuxent River, MD
- aircraft spare parts for U.S. Navy and **Japan**; SPRPA1-19-G-CB01; 2 May 2019
  - DLA Aviation, Philadelphia
- aircraft spare parts; SPRPA1-19-G-CB01; 13 May 2019
  - DLA Aviation, Philadelphia
- continued LRIP of the Silent Knight Radar system for SOCOM → McKinney and Forest, MS; H92222-16-D-0033; 21 June 2019
  - SOCOM headquarters, Tampa, FL
- Multi-spectral Targeting Systems "B" AN/DAS-3 in support of LRIP 3 & 4 efforts of the MQ-4C Triton program; N00164-17-G-JQ02; 27 June 2019
  - Naval Surface Warfare Center, Crane, IN
- depot support services for life-cycle sustainment of Multi-Spectral Targeting System; N00164-17-G-JQ02-0004; 3 July 2019
  - Naval Surface Warfare Center, Crane
- prototype High Energy Laser Weapon Systems (HELWS); OCONUS field assessment for purposes of experimentation including, but is not limited to, 12 months of in-field operation by Air Force personnel against drones; 2 Aug 2019
  - AFRL Wright-Patterson AFB, Dayton, OH (FA8650-19-9-9326)
- Horizontal Technology Integration Second Generation Forward Looking Infrared (2GF) Commander's Independent Thermal Viewer (CITV), azimuth drive assemblies, azimuth drive armor caps and rings, spares, and engineering services; 23 Aug 2019
  - Army Contracting Command, Aberdeen Proving Ground, MD (W909MY-19-D-0015)
- Common Sensor Payload systems, spare parts, and engineering & system support; 13 Sept 2019
  - Army Contracting Command Aberdeen Proving Ground (W56KGY-19-D-0005)
- production of the commander's viewer unit; 26 Sept 2019
  - Army Contracting Command, Redstone Arsenal (W31P4Q-19-C-0107)

#### Raytheon (Keyport, WA)

- AN/AQS-20 Sonar Mine Detecting Set maintenance & support; continuing support includes repair; overhauls and other scheduled maintenance; hardware and software maintenance; tracking and resolution of obsolescence issues; technology improvements; reliability & maintainability improvements; development and incorporation of change notices and engineering change proposals; test support; engineering services; spares & repair parts; design efforts and hardware upgrades to improve system performance, sustainability, reliability, and other activities → Portsmouth, RI (65%); Keyport, WA (30%); Panama City, FL (5%); N61331-17-D-0001; 17 May 2019
  - Naval Surface Warfare Center Panama City Division, FL
- deploy, tow, and retrieve AN/AQS-20 sonar for mine hunting → Keyport, WA (90%); Portsmouth, RI (10%); N00024-19-F-6308 under N61331-17-D-0001; 6 Aug 2019
  - AN/AQS-20 is a mine hunting sonar for the Littoral Combat Ship.
  - NAVSEA D.C.