



AD-1.3.1 Common Support Equipment & Mobile Facilities Programs Division

Small Business Successes & Opportunities

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Mission Statement

- Provide cost effective aviation Common Support Equipment (CSE) & Mobile Maintenance Facility (MMF) equipment in support of Fleet operations and maintenance activities.
- Deliver CSE & MMF equipment that has successfully passed all necessary testing.
 - Contractor performance, environmental, EMI, shock & vibration testing
 - Government suitability & supportability testing
- Deliver CSE & MMF equipment with full Integrated Logistics Support (ILS) in place.
 - Technical Manuals
 - Operator & Maintenance Training
 - Spares on Shelf
 - Calibration Support



Product Lines

Avionic CSE

In support of PMA260 Aviation Support Equipment Program Office, provides flight line and intermediate maintenance level test equipment & automated test equipment for aircraft avionics systems.



Flight Line Test Equipment



I-Level Bench Top Test Equipment



Automated Test Equipment

Non-Avionics CSE

In support of PMA260 Aviation Support Equipment Program Office, provides CSE for the movement, servicing, and maintenance/repair of all USN and USMC aircraft and engine systems as well as equipment for the transportation and handling of all munitions.



Aircraft Handling Equipment



Aircraft Servicing Equipment



Engine Test Cells



Ordnance Trailers & Weapons Skids

Mobile Maintenance Facilities

In support of the NAVAIR MMF Program Office provides top quality engineering design solutions, production efforts and life cycle logistics in support of the Fleet's MMF inventory and our Navy and Marine Corps customer requirements.



MMF Shelters



Environmental Control Units



Small Business Successes

TITLE: *PNEUMATIC CABIN PRESSURE LEAKAGE TESTER (PCPLT)*

Contract Information: Indefinite Delivery Indefinite Quantity (IDIQ) Fixed Price Contract, N68335-16-D-0024,

Contractor: Hydraulics International Incorporated, Chatsworth, CA, Small Woman-Owned Business

Awarded: May 31, 2016 in the amount of \$1.095M

Design, development, test, & delivery of two (2) pre-production PCPLT units with IDIQ production options

The unit is used to check aircraft cabin/cockpit pressure control system components (e.g. canopy seal, pressure regulation valves, safety relief valves) for proper function in support of both scheduled and unscheduled maintenance/repairs to the aircraft system. The tester provides and controls the pressure and volume of air supplied to the aircraft.





Small Business Successes

TITLE: STATIONARY PENETRANT INSPECTION (SPI) SYSTEM

Contract Information: Indefinite Delivery Indefinite Quantity (IDIQ) Fixed Price Contract, N68335-16-D-0017

Contractor: REL, Incorporated, Calumet, MI, HubZone

Awarded: May 31, 2016 in the amount of \$946.2K

Design, development, test, & delivery of two (2) pre-production SPI Systems with production options for 44 units.

The Stationary Penetrant Inspection System is a shore-based Nondestructive Inspection (NDI) system used at the I-level to locate surface defects on aircraft and Ground Support Equipment (GSE) components.





Small Business Successes

TITLE: WIRE BRAIDING MACHINE

Contract Information: Firm Fixed price (FFP) contract, N68335-16-C-0213

Contractor: Stolberger, Incorporated, Central Falls, RI

Awarded: August 18, 2016 in the amount of \$328K

Quantity of 14 production wire braiding machines with an option for 7 additional units and associated spare parts.

The Wire Braiding Machine (WBM) is an electromechanical maypole braider capable of braiding wire harnesses with metal or cloth material to provide EMI shielding or greater durability. The WBM provides USN CVNs and USMC MALS with same capability currently at shore site intermediate maintenance levels.





Small Business Successes

TITLE: T-56-A-14 ENGINE TEST PROGRAM SET (TPS) FOR THE TURBOPROP TEST INSTRUMENTATION (TPTI) ENGINE TEST SYSTEM

Contract Information: N68335-14-D-0016

Delivery Order: 0002

Contractor: Service Disabled Contracting (SDC) Group, Inc., Norfolk, VA, Small Service Disabled, Veteran Owned, 8(a)

Awarded: September 29, 2016 for \$108,571

Production copies of TPS to acquire, process, store, and display engine data for the T-56-A-14 Turboprop Engine on the TPTI Engine Test System.



Small Business Successes

TITLE: CERTIFICATION FOR SAFE CONTAINERS

Contract Information: Indefinite Delivery Indefinite Quantity (IDIQ) Fixed Price Contract, N6833516D0036.

Contractor: Marine Container Equipment Services

Awarded: September 21, 2016 in the amount of \$500K

Per DOD Instruction 4507.7, Mobile Facility (MF) certification is required for all new and modified MF's. Certification will verify to the responsible Transportability Agent that the equipment integrated into the shelter will not adversely affect the ability of the shelter to be safely transported with the Defense Transportation System.





Past Small Business Successes

- ***DeVal Corporation, Philadelphia PA***
 - Brake Cable & Wheel Assemblies to support the MHU-191 Munitions Transporter Upgrade Program
 - Multiple Parts to support the MHU-191 Munitions Transporter Upgrade Program
- ***Carolina Growler, Incorporated, Star, NC***
 - A/M32K-10 Munitions Trailer
 - A/M32U-21 Ordnance Trailer
 - A/E32K-11 Munitions Lifting Assembly
- ***Hydraulics International, Incorporated, Chatsworth, CA***
 - A/F27T-12 Hydraulic Component Test Stand
 - Diesel & Electric Hydraulic Power Supplies
 - Large & Small Corrosion Control Carts



Past Small Business Successes

- ***Accurate Machines Company, Palmdale, CA***
 - Flight Line Swept Frequency Test Set
 - A/F48T-6A Armament Handling Equipment Test Stand
 - Aircraft Intercommunications System Test Set

- ***Tel Instruments Corporation, East Rutherford, NJ***
 - Common Radio Frequency Flight Line Tester
 - Intermediate Level TACAN Test Set



Anticipated Future Requirements

- **Requirement Title:** COMMON AIRCRAFT ARMAMENT TEST SET (CAATS)
- **Requirement Description:** Manufacture of 155 CAATS units to a government drawing package. CAATS is a bench top test set that provides a testing and troubleshooting capability for weapons racks, launchers, pylons and future weapons carriage devices at Navy & Marine Corps intermediate maintenance levels ashore & afloat.
- **Anticipated Quantity or Period of Performance:** Estimate a total quantity of 155 units to be ordered between FY17 and FY18. Solicitation will be for a base year plus option years.
- **Anticipated Contract Type:** IDIQ FP; Set-Aside for Native Alaskan Small Business
- **Anticipated Solicitation/RFP Release Date:** 2nd Quarter 2017
- **Current Contract Number:** N/A





Anticipated Future Requirements

- **Requirement Title:** SHIPBOARD CRASH CRANE REPLACEMENT
- **Requirement Description:** Design, develop, test & production of a replacement crane and all associated Integrated Logistics Support (ILS) required to perform the aircraft crash and salvage function on board USN aircraft carriers. Decades of at sea operation, repeated corrosion damage and repairs are reducing the durability and supportability of currently fielded crash cranes.
- **Anticipated Quantity or Period of Performance:** Design & development expected to start in FY19 with production quantity of 14 units to be ordered between FY22 and FY26. Solicitation will be for a base year plus option years.
- **Anticipated Contract Type:** IDIQ Fixed Price
- **Anticipated Solicitation/RFP Release Date:** September 2017
- **Current Contract Number:** N/A





Anticipated Future Requirements

- **Requirement Title:** EDDY CURRENT TESTER
- **Requirement Description:** Design, develop, test & production of a portable, self-contained, battery-operated unit and all associated ILS required to perform Nondestructive Inspection (NDI) of aircraft components and SE for fatigue cracks and other surface defects on conductive materials. Item will replace the current Nortec 2000D+. Anticipate modified COTS solution.
- **Anticipated Quantity or Period of Performance:** Estimate a total quantity of 327 units to be ordered between FY19 and FY23. Solicitation will be for a base year plus option years.
- **Anticipated Contract Type:** IDIQ Fixed Price
- **Anticipated Solicitation/RFP Release Date:** 3rd Quarter 2018
- **Current Contract Number:** N/A





Anticipated Future Requirements

- **Requirement Title:** A/S32K-1E WEAPONS LOADER REPLACEMENT
- **Requirement Description:** Design, develop, test & production of USMC shore based weapons loader and all associated ILS used to load air launched ordnance on fixed and rotary wing aircraft. Lifting capacity of 4,500 pounds required.
- **Anticipated Quantity or Period of Performance:** Estimate a total quantity of 236 units to be ordered between FY18 and FY26. Solicitation will be for a base year plus option years.
- **Anticipated Contract Type:** IDIQ Fixed Price
- **Anticipated Solicitation/RFP Release Date:** 3rd Quarter 2017
- **Current Contract Number:** N/A





Anticipated Future Requirements

- **Requirement Title:** SHIPBOARD AIRCRAFT HANDLER

- **Requirement Description:** Design, develop, test & production self-propelled vehicle and all associated ILS required to spot aircraft in close proximity in shipboard hangar bays.



- **Anticipated Quantity or Period of Performance:** Estimate a total quantity of 113 units to be ordered between FY18 and FY22. Solicitation will be for a base year plus option years.
- **Anticipated Contract Type:** IDIQ Fixed Price
- **Anticipated Solicitation/RFP Release Date:** 3rd Quarter 2017
- **Current Contract Number:** N/A



Anticipated Future Requirements

- **Requirement Title:** 1553 DATA BUS NETWORK TESTER

- **Requirement Description:** Design, development, test & production of a portable, rugged, battery-powered “O”-Level test capability and all associated ILS for isolating faults on transmission lines and stubs of aircraft data buses. Current 1553 data Bus Network Tester is facing multiple obsolescence issues and will not support emerging aircraft data buses including Ethernet, FireWire, and MIL-STD-1760. Anticipate modified COTS solutions.



- **Anticipated Quantity or Period of Performance:** Estimate a total quantity of 197 units to be ordered between FY19 and FY22. Solicitation will be for a base year plus option years.
- **Anticipated Contract Type:** IDIQ Fixed Price
- **Anticipated Solicitation/RFP Release Date:** 3rd Quarter 2018
- **Current Contract Number:** N/A



Anticipated Future Requirements

- **Requirement Title:** MHU-126/202 REPLACEMENT SMALL MUNITIONS TRAILER
- **Requirement Description:** Design, development, test and production of a new small munitions trailer and all associated ILS to provide Navy shore sites a common & more maintainable capability to transport and load all weapons using and maintaining only one type trailer. New design will eliminate maintenance significant components and increase scheduled maintenance to greater than 5 years.
- **Anticipated Quantity or Period of Performance:** Estimate a total quantity of 591 units to be ordered between FY18 and FY27. Solicitation will be for a base year plus option years.
- **Anticipated Contract Type:** IDIQ Fixed Price
- **Anticipated Solicitation/RFP Release Date:** 3rd Quarter 2017
- **Current Contract Number:** N/A





Anticipated Future Requirements

- **Requirement Title:** HYDRAULIC FLUID & PHOSPHATE ESTER PARTICLE COUNTERS
- **Requirement Description:** Design, development, test & production of an unit and all associated ILS for measuring particle contamination in hydraulic fluids in all aircraft and support equipment in support of the Navy Hydraulic Fluid Contamination Program. Existing units are facing increased maintenance costs and parts obsolesces issues. Separate units will be required for detecting contamination in hydraulic oil and Skydrol (phosphate ester). Anticipate modified COTS solution.
- **Anticipated Quantity or Period of Performance:** Estimate a total quantity of 678 units (63 Phosphate Ester & 615 Hydraulic Fluid) to be ordered between FY19 and FY25. Solicitation will be for a base year plus option years.
- **Anticipated Contract Type:** IDIQ Fixed Price
- **Anticipated Solicitation/RFP Release Date:** 3rd Quarter 2018
- **Current Contract Number:** N/A





Anticipated Future Requirements

- **Requirement Title:** AIRCRAFT ENGINE COMPONENT TEST STAND (AECTS) REPLACEMENT
- **Requirement Description:** Design, development, test & production of an aircraft generator testing and troubleshooting capability and all associated ILS. Used at the intermediate maintenance level for F/A-18 C/D/E/F, EA-18G, ALQ99RAT, AV-8B, C-130, C-2, CH-53, E-2C, H-60, T-45, & V-22 aircraft and potentially P-8, E-2D, and F-35 aircraft. Will replace the legacy Aircraft Engine Component Test Stand (AECTS) at F/A-18 sites to provide increased throughput for the F/A-18 Generator Converter Unit (GCU), their number 1 aircraft degrader.
- **Anticipated Quantity or Period of Performance:** Estimate a total quantity of 31 units to be ordered between FY19 and FY23. Solicitation will be for a base year plus option years.
- **Anticipated Contract Type:** IDIQ Fixed Price
- **Anticipated Solicitation/RFP Release Date:** 2nd Quarter 2018
- **Current Contract Number:** N/A





Anticipated Future Requirements

- **Requirement Title:** X-RAY APPARATUS
- **Requirement Description:** Design, development, test & production of Nondestructive Inspection (NDI) equipment and all associated ILS used at the intermediate maintenance level to verify internal structural integrity of aircraft; specifically to inspect for fatigue cracks, porosity, and foreign object damage. Anticipate modified COTS solution.
- **Anticipated Quantity or Period of Performance:** Estimate a total quantity of 100 units to be ordered between FY20 and FY23. Solicitation will be for a base year plus option years.
- **Anticipated Contract Type:** IDIQ Fixed Price
- **Anticipated Solicitation/RFP Release Date:** 3rd Quarter 2018
- **Current Contract Number:** N/A





Anticipated Future Requirements

- **Requirement Title:** AN/APM-455 RADAR BEACON TEST SET REPLACEMENT
- **Requirement Description:** Design, development, test & production of a replacement for AN/APM-455 organizational maintenance level test set and all associated ILS to test X-band radar beacon and Ka-band ACLS components of the All Weather Carrier Landing System on the flight line.
- **Anticipated Quantity or Period of Performance:** Estimate a total quantity of 123 units to be ordered between FY19 and FY22. Solicitation will be for a base year plus option years.
- **Anticipated Contract Type:** IDIQ Fixed Price
- **Anticipated Solicitation/RFP Release Date:** 3rd Quarter 2018
- **Current Contract Number:** N/A





Anticipated Future Requirements

- **Requirement Title:** 2000 GALLON LIQUID OXYGEN TANKS
- **Requirement Description:** Production of replacement 2000 gallon tanks and all associated ILS to store and dispense liquid oxygen. Also contains a vaporizer to convert the liquid oxygen to gaseous oxygen at 2500 psi to allow for oxygen support of all Navy and Marine Corps aircraft.
- **Anticipated Quantity or Period of Performance:** Estimate a total quantity of 46 units to be ordered between FY19 and FY21. Solicitation will be for a base year plus option years.
- **Anticipated Contract Type:** IDIQ Fixed Price
- **Anticipated Solicitation/RFP Release Date:** 3rd Quarter 2018
- **Current Contract Number:** N/A





Anticipated Future Requirements

- **Requirement Title:** 1500 TOWABLE UTILITY CRANE REPLACEMENT
- **Requirement Description:** Design, development, test & production of a towable 1,500 pound capacity utility crane and all associated ILS used land based & shipboard for maintenance of large, heavy or bulky aircraft components (fins, canopies, ejection seats, radomes, etc.) that can not be lifted manually.
- **Anticipated Quantity or Period of Performance:** Estimate a total quantity of 216 units to be ordered between FY19 and FY24. Solicitation will be for a base year plus option years.
- **Anticipated Contract Type:** IDIQ Fixed Price
- **Anticipated Solicitation/RFP Release Date:** 3rd Quarter 2018
- **Current Contract Number:** N/A





Anticipated Future Requirements

- **Requirement Title:** FIBER OPTICAL TIME-DOMAIN REFLECTOMETER (FOTDR)
- **Requirement Description:** Design, development, test & production of a hand held tester and all associated ILS used on aircraft to find the distance to a fault in a fiber optic system. It will show the relative loss of signal power over the optical path and identify the location of these losses to the point of the fault.
- **Anticipated Quantity or Period of Performance:** TBD. Due to budget reductions, item is currently not prioritized on APN-7 Support Equipment Buy List.
- **Anticipated Contract Type:** IDIQ Fixed Price
- **Anticipated Solicitation/RFP Release Date:** TBD
- **Current Contract Number:** N/A



Anticipated Future Requirements

- **Requirement Title:** FLOODLIGHT SET
- **Requirement Description:** Design, development, test & production of a portable floodlight assembly and all associated ILS used at U. S. Navy and Marine Corps shore based activities to provide portable lighting for night time operations. Replaces legacy floodlight sets.
- **Anticipated Quantity or Period of Performance:** TBD. Due to budget reductions, item is currently not prioritized on APN-7 Support Equipment Buy List.
- **Anticipated Contract Type:** IDIQ Fixed Price
- **Anticipated Solicitation/RFP Release Date:** TBD
- **Current Contract Number:** N/A





Anticipated Future Requirements

- **Requirement Title:** Mobile Facility Environmental Control Unit (ECU)
- **Requirement Description:** ECU is a heat pump that provides heating and cooling to maintain the Mobile Facility at a suitable temperature for inhabitants and equipment. ECU shall be built per Drawing Package 1559AS400-1.
- **Anticipated Quantity or Period of Performance:** Estimate a total quantity of 980 units to be ordered between FY17 and FY22
- **Anticipated Contract Type:** IDIQ Fixed Price, Small Business Set-Aside
- **Anticipated Solicitation/RFP Release Date:** 3rd Quarter 2017
- **Current Contract Number:** N/A

