Code 7012
Industrial Services Enterprise (ISE)
Manufacturing Support Services
Pre-Solicitation Conference

Presented at:
NUWC Division Newport
Building 80 Gymnasium
17AUG2017
Agenda

• Introduction/Ground Rules
• Disclaimer Statement
• Anticipated Procurement Strategy
• Facility Overview
• Technical Requirements
• Conclusion/Wrap-up
• DIVNPT Competition and Small Business Overview
Introduction/Ground Rules

• Introduction of Participants
• Intent of this Pre-Solicitation Conference is to Encourage competition by:
  – Providing technical information to provide potential offerors a better understanding of the technical requirements for Prime and Subcontracting opportunities
  – Ensure all potential offerors receive, and have access to, the same information
• Technical “Q&A” is encouraged
  – Q&A will be answered, either today or via SeaPort-e Portal
  – Q&A/Feedback Forms
  – No questions about incumbent contractor
Introduction/Ground Rules (cont.)

- All attendees recommended to sign-in (this is voluntary)
- Please silence cell phones and pagers. No personal recording
- Q&A will be recorded, typed, and posted to the SeaPort-e Portal
- The Attendees list will be posted to the SeaPort-e Portal
- This briefing will be posted to the SeaPort-e Portal and the NUWCDIVNPT Electronic Reading Room:
Introduction/Ground Rules (cont.)

- **DO NOT** directly contact the NUWC technical code after today - all further dialogue will be accomplished via the Q&A feature on the SeaPort-e Portal

- Technical requirements contained in this briefing are presented as a summary
  - Full/updated technical requirements will be provided in the Request for Proposal (RFP)
Disclaimer Statement

• Remarks today by Government officials involved in the Code 7012 Industrial Services Enterprise Manufacturing Support Services requirement should not be considered a guarantee of the Government’s course of action in proceeding with the acquisition

• The informational briefing shared today reflects current Government intentions and is subject to change based on a variety of circumstances

The formal solicitation, when issued, is the only document that should be relied upon in determining the Government’s requirements
Anticipated Procurement Strategy

• This is a follow-on to NUWCDIVNPT N00178-04-D-4136-N412
  – 3 Offers received
  – SRM (Incumbent)

• SeaPort-e Task Order, Zone 1, Northeast
  – Prime
  – Sub

• Five (5) year Period of Performance
  – Base year plus 4 one year options
  – Small Business Set Aside

• Combined Contract LOE: 46,360 Hours 36,480 FF & 9,880 CPFF

• Other Direct Costs (ODC’s) will be approx. $6.5M over five years

• Clearance Level: Secret
  – Approximately 5% of tasking

• Estimated Schedule:
  – RFP Release: October 2017
  – Proposals Due: 30 days after RFP release
  – Award Date: May 2018
Anticipated Procurement Strategy (cont.)

- Organizational Conflict of Interest (OCOI) Clause Applies

- Work Locations
  - 98% Government Site, 2% Contractor Site

- Facilities
  - Government will provide facilities for on-site personnel
  - Facility Security Clearance Required: Secret (not for storage)
  - Government Furnished Materials/Equipment/Information (GFM/E/I)
    - Broadly described today for awareness
    - Provided in Solicitation and upon award of contract

- Certifications Required
  - Crane Operators in accordance with NAVFAC P-307
  - Welding in accordance with NAVSEA S9074-AR-GIB-010/278 and T9074-AD-GIB-010/1688
Facility Overview
Ranges, Engineering and Analysis Department

PROGRAM MANAGEMENT OFFICE CODE 709
- WATERSIDE SECURITY
- UNDERSEA SHALLOW WATER TRACKING RANGE
- KWAJALEIN MISSILE IMPACT SCORING SYSTEM
- MARINE MAMMAL MONITORING
- MARINE SPECIES MODELING TEAM
- ADVANCED INSTRUMENTATION S&T
- SHIPBOARD ELECTRONIC SYSTEMS EVALUATION
- NATO FORACCS
- RELIABILITY, AVAILABILITY, AND MAINTAINABILITY

SYSTEMS ASSESSMENT & SUPPORT DIVISION CODE 701
- SYSTEMS SAFETY & SYSTEMS ENGINEERING BRANCH
- PROTOTYPING, MANUFACTURING & CALIBRATION BRANCH
- RANGE IN-SERVICE ENGINEERING BRANCH
- SURVIVABILITY BRANCH

ENGINEERING & ANALYSIS DIVISION CODE 702
- RANGE DEVELOPMENT & HARDWARE BRANCH
- WATERFRONT OPERATIONS BRANCH
- UNDERSEA MODELING BRANCH
- RANGE SOFTWARE BRANCH

ATLANTIC TEST FACILITIES DIVISION CODE 703
- AUTEC TEST OPERATIONS BRANCH
- AUTEC BASE OPERATIONS BRANCH
- SHIPBOARD ELECTRONIC SYSTEMS EVALUATION FACILITY BRANCH

DEPARTMENT HEAD CODE 70
- DEPUTY DEPARTMENT HEAD CODE 70B

CHIEF ENGINEER CODE 70C

BUSINESS OPERATIONS OFFICE CODE 7001
- CUSTOMER ADVOCATE STRATEGIC PLANNING CODE 70CA

CHIEF SCIENTIST CODE 70T

AUTEC PROGRAM MANAGER CODE 7003
- AUTEC DEPUTY PROGRAM MANAGER

AUTEC OFFICER IN CHARGE (OIC) CODE 70M

AUTEC PROGRAM OFFICE

Distribution A, unclassified, approved for public release. Distribution unlimited and is exempt from U.S. export licensing and other export approvals under the International Traffic in Arms Regulation.
The Naval Undersea Warfare Center Division Newport (NUWC DIVNPT), Industrial Services Enterprise (ISE), provides a full ‘Design for Manufacture’ facility including:
- Mechanical and Manufacturing Engineering Services
- Rapid Prototype Development
- Fabrication and Assembly of Mechanical Components
- Direct Fleet Support

The ISE is a full-service manufacturing and engineering facility for prototyping and production work with dedicated space for engineering, machining, additive manufacturing, painting, powder coating, welding, sheet metal fabrication, assembly and inspection.

The ISE is comprised of over 25,000 square feet of facilities located at NUWC DIVNPT, Newport, RI. ISE tasking includes support of research & development projects, test & evaluation projects, in service production projects, and Fleet Install/De-Install projects.

The ISE is a service provider to both internal and external customers.
Facility Overview (cont.)

- The ISE operates as a Service Cost Center and typically does not receive any tasking directly from external sponsors. The preponderance of tasking comes from NUWDIVNPT product lines.

- The ISE is in essence a sub-contractor to the performance of tasking the product lines are responsible for to the external sponsors.

- Although the ISE may be tasked to install or repair a piece of test equipment in an R&D facility, (e.g. a firing valve in the Code 40 Advanced Submarine Launch Facility), the ISE does not perform facilities or construction work as this is outside the NUWCDIVNPT mission and falls under the mission of Naval Facilities Command (NAVFAC).

- The overall goal to be achieved by this task order is to retain contractor services to operate and maintain the machinery and processes of the ISE to execute the day to day production of finished goods.
INCIDENTAL GOVERNMENT PROPERTY AVAILABLE

All equipment, machinery, tooling, measuring instruments, materials handling and storage devices located within the ISE to include but not limited to:

OMAX 60120 water jet
HAAS VF2, VF3, VF5, VF7, VF9, HS6R and Leblonde Machino FNC 106 milling centers
Bridgeport milling machines with 2-axis ProtoTrak controls (Qty 8)
Devlieb 3B-48 Horizontal miller
HAAS SL30 (Qty 2), SL40 and Hardinge Conquest T-42 turning centers
HAAS TL-1 (Qty 2) tool room lathes
Monarch EE tool maker lathes (Qty 3)
American 33x120 and Monarch 610 engine lathes
Bullard 46” Model 75 Cut Master VTL
Horizontal and Vertical band saws
Tool and Surface grinders
New Hermes IS-400 engraver and Bren stencil cutter
Empire PF6060 media blast cabinet
Powder Coat oven and spray booth
Paint spray booth
Niagra HD-175-8-10 and LVD 35BH/04 press brakes
Wysong 6’ shear
Strip It Super 30/30 punch
Webb 6’x1/2” power roller
Lincoln, Miller and ESAB stick, MIG & TIG welding machines and plasma cutters
1000 square foot tool room
PHOTO 1

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PHOTO 2

Distribution A, unclassified, approved for public release. Distribution unlimited and is exempt from U.S. export licensing and other export approvals under the International Traffic in Arms Regulation.
PHOTO 4

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Technical Requirements

• Service Contract
• Provide qualified staffing to produce widgets from Government Furnished Information using Government Furnished Equipment
• Procure as identified emergent materials in support of widget production via ODC’s
• Maintain the physical plant and machine tools in good working order
Technical Requirements (cont.)

Task 1 MACHINING 60%: Use ISE machines provided as Incidental Government Property (IGP) to perform:

1) Lay-out and manufacture of parts/assemblies of metals, composites, ceramics, plastics, and other materials from drawings or samples.
2) Vertical and horizontal turning.
3) Taper turning.
4) Vertical boring.
5) Horizontal, vertical, and universal knee type milling.
6) Slotting and planeing.
7) Drilling, reaming, and honing.
8) Surface, cylindrical and universal grinding.
9) Cut-off sawing.
10) Removal of broken taps and studs.
11) Precision measurement and comparison.
12) Cutting bevel, worm, and helical gears and power screws.
13) Grinding and sharpening of bits, cutters and tools used to machine components.
14) Manufacturing of composition gaskets and seals for mechanical assemblies.
15) Fitting and installation of roller and ball bearings.
16) Removal of deteriorated gaskets and seals, clean surfaces and replace.
Technical Requirements (cont.)

Task 2 SHEETMETAL 5%: Use ISE machines provided as IGP to perform:

1) Flat pattern lay-out and templating.
2) Fabrication operations such as drilling, nibbling, notching, forming, punching, and shearing on aluminum, corrosion resistant steel, galvanized steel, mild steel and other sheet materials.
3) Manual bending, power bending, and rolling.

Task 3 ENGRAVING 2%: Use ISE machines provided as IGP to:

1) Engrave metal, plastic, and other material panels and nametags using computer engraving.
2) Engrave metal, plastic, and other material 360-degree dials on face using computer engraving.
3) Grind and sharpen bits, cutters and tools used to engrave components.
Technical Requirements (cont.)

Task 4 WELDING & BRAZING 15%: Use ISE machines provided as IGP to:

1) Weld ferrous and non-ferrous material using shielded metal arc, gas tungsten arc welding, MIG, TIG, and other welding equipment and processes as appropriate.
2) Pre-heat and post heat weld joints.
3) Build-up of worn or damaged surfaces with weld.
4) Prepare joints for welding by hand grinding and burning.
5) Solder, spot welding, and gas tungsten arc welding.
6) Prepare and mechanically fit-up pipe joints and make ready for brazing or welding.

Task 5 WELDING SURVEILLANCE 2%: Perform surveillance functions related to welding:

1) Visual inspections including optical magnification.
2) Magnetic particle.
3) Ultrasonic.
4) Liquid penetrant.
5) Re-qualification and certification of welding and brazing personnel.
Technical Requirements (cont.)

Task 6 PAINTING & POWDER COATING 10%: Use ISE machines provided as IGP to:

1) Operate the conventional liquid spray booth per the operating instructions and applicable environmental regulations.
2) Operate the powder coating facility per the operating instructions and applicable environmental regulations.
3) Preserve, paint and/or coat projects in accordance with required specifications.
4) Conduct surface preparation and painting/coating in accordance with required specifications.

Task 7 MATERIALS HANDLING 5%: Use ISE cranes, pallet trucks, and forklifts (IGP) to:

1) Remove, lift, transport, and place material and heavy equipment to/from delivery trucks, storage racks, manual, and CNC machines.
2) Perform visual pre-test inspection of weight lifting or weight bearing items for obvious faults or defects.
3) Perform weight testing.
Technical Requirements (cont.)

Task 8 MAINTENANCE & REPAIR 1%: Maintain the ISE physical plant by:

1) Performing preventive maintenance on equipment, machinery, and portable tools.
2) Performing minor corrective maintenance on equipment, machinery, and portable tools.
3) Performing major maintenance on selected equipment, machinery, and portable tools.
4) Returning all hazardous materials to storage at the end of each shift.
5) Returning all tooling to storage at the end of each task.
6) Maintaining all designated isle ways clear of materials by moving materials to designated staging areas as soon as is practical.
7) Deep cleaning all industrial spaces and lay-down areas to remove industrial debris weekly.
Conclusion/Wrap-up

• Thank you for your interest in the Code 7012 Industrial Services Enterprise Manufacturing Support Services requirement
• The attendees list will be posted to the SeaPort-e Portal
• This briefing will be posted to the SeaPort-e Portal and the NUWCDIVNPT Electronic Reading Room
• “Q&A” (today’s and any subsequent) will be posted to the SeaPort-e Portal
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