



**Code 85 Undersea Warfare Weapons, Vehicles
and Defensive Systems Department Autonomous
Maritime Systems Test Center (AMSTC)
Engineering and Technical Support Services
Pre-Solicitation Conference**

**NUWC Division Newport
Undersea Collaboration & Technology
Outreach Center (UCTOC)
May 24, 2017**

Agenda

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

Introduction/Ground rules

- **Introduction of Participants**
- **Intent of this Pre-Solicitation Conference**
 - **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:
 - <http://www.navsea.navy.mil/Home/Warfare-Centers/NUWC-Newport/Partnerships/Business-Partnerships/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 85 Undersea Warfare Weapons, Vehicles and Defensive Systems Department Autonomous Maritime Systems Test Center (AMSTC) Engineering and Technical 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 of NUWCDIVNPT requirements N00178-04-D-4119, possible merger of N429 and N433 contracts**
 - 1 Offer received
 - SAIC (Incumbent)
- **SeaPort-e Task Order, Zone 1, Northeast**
 - Prime
 - Sub
- **Five (5) year Period of Performance**
 - Base year plus 4 one year options
 - Unrestricted
- **Combined Contract LOE: 425,000 Hours CPFF**
- **Organizational Conflict of Interest (OCOI) Clause Applies – No OCOI with UUV FoS. AMSTC focus on existing UUVs.**
- **Clearance Level: Top Secret (Cyber Security Rqmt.)**
 - Approx 5% of tasking

Anticipated Procurement Strategy (con't)

- **Software Development Plan (SDP) and rationale required**
- **Capability Maturity Model Integration (CMMI) capability level 3 or equivalent required**
- **Other Direct Costs (ODC's) will be approx. 37% of total cost**
- **Estimated Schedule:**
 - **RFP Release: August 2017**
 - **Proposals Due: 30 days after RFP release**
 - **Award Date: March 2018**

Anticipated Procurement Strategy (con't)

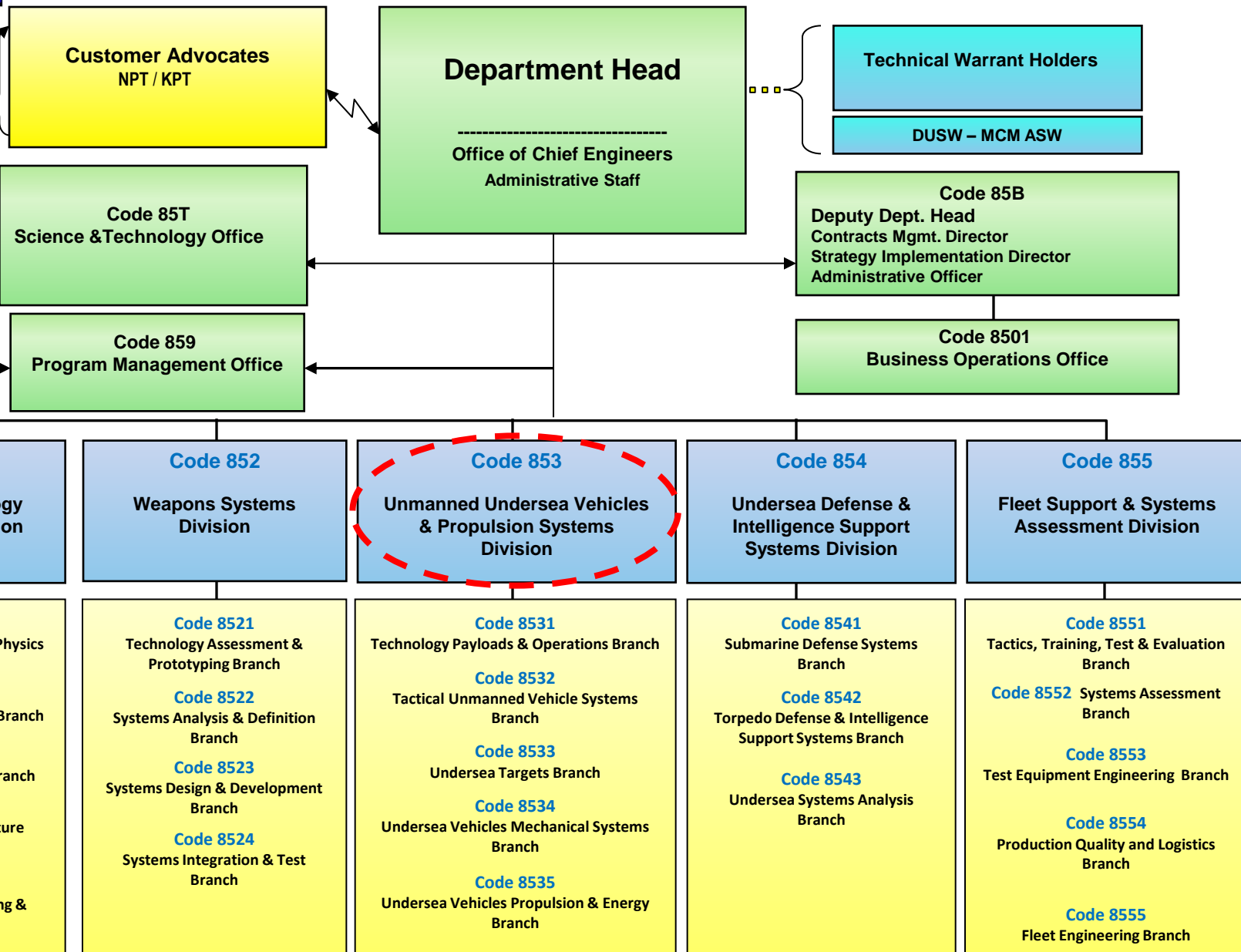
- **Work Locations**
 - **90% Government-site, 10% Contractor Site**
- **Facilities**
 - **Government will provide facilities for on-site personnel and TS tasking**
 - **Facility Security Clearance Required: Top Secret (not for storage)**
 - **Government Furnished Materials/Equipment/Information (GFM/E/I)**
 - **Provided in Solicitation and upon award of contract**



Technical Requirements & Overview



USW Weapons, Vehicles, and Defensive Systems Dept. ~ Code 85





Undersea Warfare (USW) Weapons, Vehicles, and Defensive Systems Department Overview

- **Mission is to provide integrated full spectrum undersea Weapon, Autonomous, and Defensive System solutions to the warfighter through technical expertise, cooperative innovation, engineering and life cycle stewardship**
- **Example Sponsors**
 - **Remote Minehunting System Program Office (PMS403)**
 - **US Undersea Weapons & Targets Program Office (PMS 404)**
 - **Unmanned Maritime Systems Program Office (PMS406/PMS408/PMS415 etc.)**
 - **Office of Naval Research (ONR)**
 - **Defense Advanced Research Projects Agency (DARPA)**
 - **Explosive Ordinance Disposal (EOD) Offices**
 - **Navy Engineering Logistics Office (NELO)**

Purpose of AMSTC Contract

- **AMSTC contract focuses on legacy UUVs vice the UUV FoS contract which focuses on futuristic UUVs**
- **Service Contract**
- **Improves legacy UUVs with advanced technologies**
- **Addresses Obsolescence**
- **Possibly combining N429 and N433 contracts**
 - **Contracts address same tasks but different color money**
 - **One contract can provide the different color of money via the TI and appropriate SLINs**

AMSTC CHARTER

- **The AMSTC Charter is to provide the vehicle in a baseline configuration, install/integrate customer desired changes, perform at sea runs, and return the vehicle to its baseline configuration. The AMSTC provides:**
 - **Experimental/Testbed AUVs**
 - **Anti Submarine Warfare (ASW) Target Engineering Agent (EA) Facilities**
 - **Modeling/Simulation and Secure Communications laboratory facilities**
 - **A hanger of autonomous undersea vehicles of various sizes and capabilities**
 - **A laboratory and support area for ASW mobile targets. The AMSTC provides for all vehicle upkeep, laboratory space for target vehicles and peripheral equipment**
 - **Secure, managed IT facility for the use of modeling and simulation equipment and secure communications**

AMSTC PROGRAMS

Targets

- **MK30 MOD1**
- **MK30 MOD2**
- **EMATT**

UUVs

- **UAV Deployment Systems**
- **Ocean Gliders**
- **Persistent Littoral Undersea Surveillance (PLUS)**
- **RAZOR Testbed Family of Vehicles**
- **REMUS Testbed Family of Vehicles**
- **UUV Modeling, Simulation, and Visualization Research and Development**

AMSTC PWS Tasks

- **TASK 1: Computer Software Programming/Design/Development and Maintenance (Approx 20% of tasking)**
 - **Software Applications and Languages Utilized**
 - Windows and Linux operating systems
 - Red Hat Linux Operating System
 - C and C++ programming languages
 - Microsoft Visual Studio .NET (C/C++)
 - Microsoft Office
 - MATLAB
 - Acrobat Writer (Perhaps already available from ASECC)
 - Juniper Networks
 - Java for mapping and planning tool development
 - ADA for MK30 Mod2
- **Note: Contractor Team must be CMMI Level III certified, or equivalent**

AMSTC PWS Tasks (Con't)

- **TASK 2: Engineering Design/Development and Evaluation Services (Approx 20% of tasking)**
 - Design/Assemble/Fabricate/Integrate and Test Engineering Design Modules (EDMS) and Prototype Systems and Sub-Systems of Legacy UUVs
 - Level of Repair Analysis (LORA)
 - Total Systems Hardware Design Packages

- **TASK 3: Test and Evaluation (T&E) (Approx 15% of tasking)**
 - Develop/Conduct/Document Operational Tests
 - System Integration
 - Test Plans and Procedures
 - Existing and Future Technologies into Legacy Systems

AMSTC PWS Tasks (Con't)

- **TASK 4: Integrated Logistics Support (ILS)/In-Service Engineering (Approx 15% of tasking)**
 - Track/Coordinate/Provide Logistical Support for Vehicles, Labs, Facilities, Depots and Ranges
 - Inventory Lists
 - Trouble Calls and Recommendations

- **TASK 5: Cyber Security (CS) and Anti-Tamper (AT) (Approx 5% of tasking)**
 - SECNAV M-5239.2 CS Workforce Manual (Top Secret Required)
 - Certifications and Educational Requirements Up-To-Date
 - Conduct Studies and Analyses
 - Policies and Regulations Up-To-Date

AMSTC PWS Tasks (Con't)

- **TASK 6: AUV Operator Training and Qualification (Approx 10% of tasking)**
 - Educate and Familiarize Uses
 - Instructional Materials
 - Qualification Plans
 - Maintain Records

- **TASK 7: Financial Tracking (Approx 15% of tasking)**
 - Different than Code 85 EVM and Programmatic Support
 - Supports SCC AMSTC management and administration
 - Financial Tracking Services
 - Administrative Management Services
 - Strategic/Business Planning
 - Engineering Management Information Systems (EMIS)

Conclusion/Wrap-up

- **Thank you for your interest in the Code 85 Undersea Warfare Weapons, Vehicles and Defensive Systems Department Autonomous Maritime Systems Test Center (AMSTC) Engineering and Technical 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**
- **DO NOT contact today’s presenters**
 - **All further dialogue will be accomplished via the Q&A feature on the SeaPort-e Portal**