



# **Code 40 Tomahawk Information System (TOMIS) Software Engineering Support Services Pre-Solicitation Conference**

**NUWC Division Newport  
Undersea Collaboration & Technology  
Outreach Center (UCTOC)  
April 2, 2015**



# Agenda

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

# 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**
  - **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/nuwc/newport/pages/ElectronicReadingRoom.aspx>
- 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 40 TOMIS Software Engineering 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 requirement N00178-04-D-4119, N428**
  - 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
  - Full and Open Competition (Unrestricted)
- **Contract LOE: 81,500 hrs. - CPFF**
- **Organizational Conflict of Interest (OCOI) Clause Applies**
- **Clearance Level: Secret**
- **Information Assurance Technician (IAT) Workforce Level II certification required**
- **Software Development Plan (SDP) and rationale required**
- **Capability Maturity Model Integration (CMMI) capability level 3 or equivalent required**



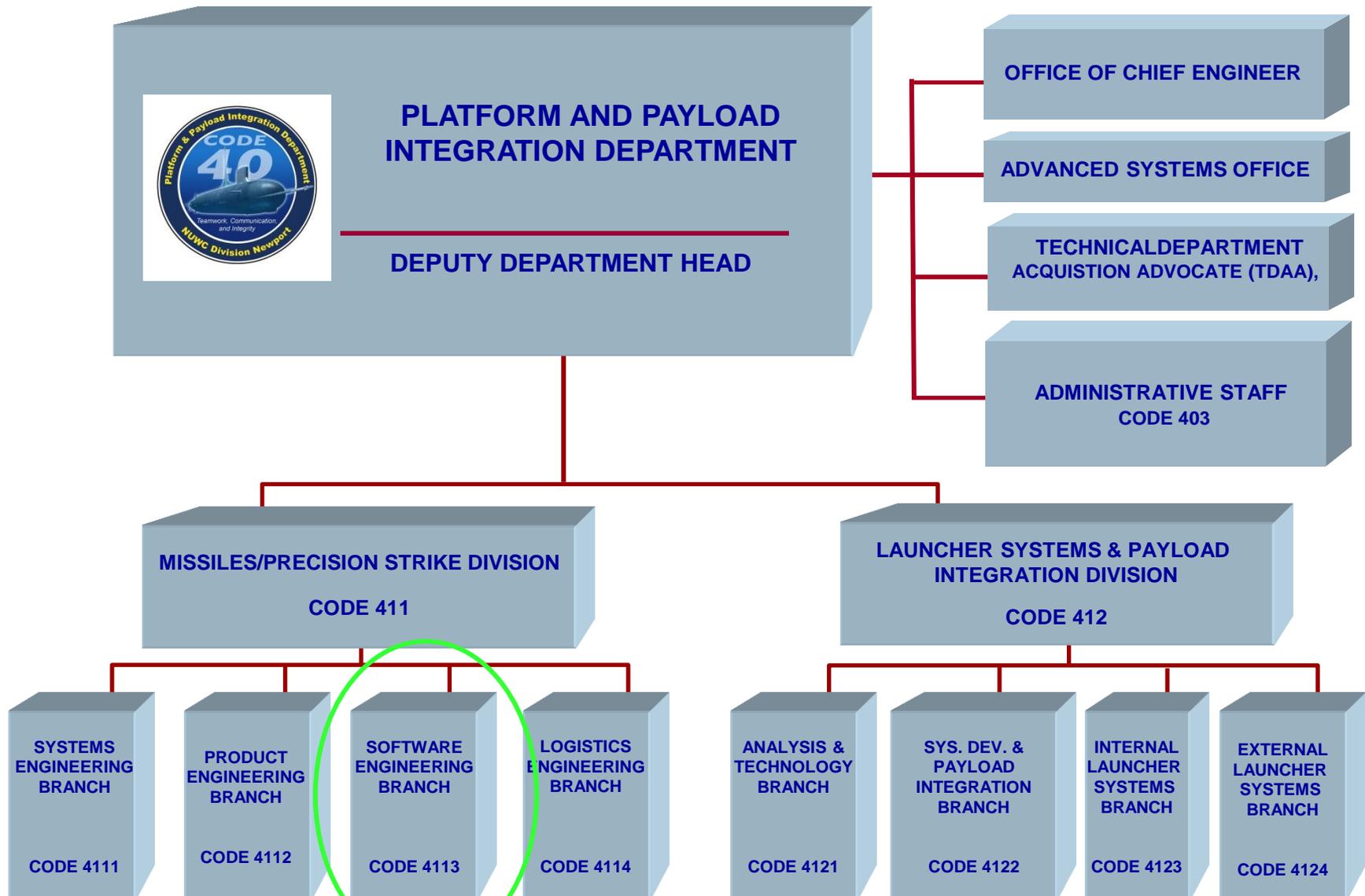
# Anticipated Procurement Strategy (Con't)

- **Other Direct Costs (ODC's) will be less than 10% of total cost**
- **Estimated Schedule:**
  - **RFP Release: June 2015**
  - **Proposals Due: 30 days after RFP release**
  - **Award Date: September 2015**
- **Work Locations**
  - **100% Government-site**
- **Facilities**
  - **Government will provide facilities for on-site personnel**
  - **Facility Security Clearance Required: Secret**
  - **Government Furnished Materials/Equipment/Information (GFM/E/I)**
    - **Provided in Solicitation and upon award of contract**



# Technical Requirements & Overview

# Platform & Payload Integration Department - Code 40





# TOMIS System Profile

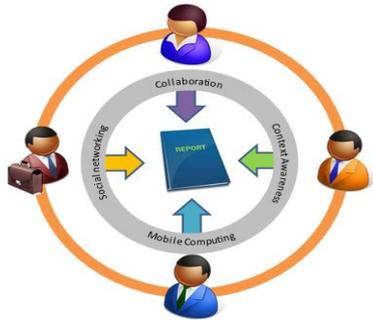
- **Mission is to provide full life cycle planning and history of Tomahawk Cruise Missiles and support equipment for the Tomahawk Weapon System program (PMA-280).**
- **System located at NUWCDIVNPT since 1994**
- **Classified and Unclassified systems are architected to support multiple domestic and FMS customers while maintaining data segregation.**
- **Fully accredited system: Information Assurance and Process Compliant. All hardware and software up-to-date**
- **Virtual Machine based: allows for rapid prototyping and flexibility**
- **Government Owned, Government Operated**

# Enabling the Customer



## File Management System

- Document storage/retrieval
- Test & Analysis Data
- Configuration Management and Data Management (CM/DM)



## Data Collaboration Reporting

- Data entered/viewed worldwide
- Real-time reports

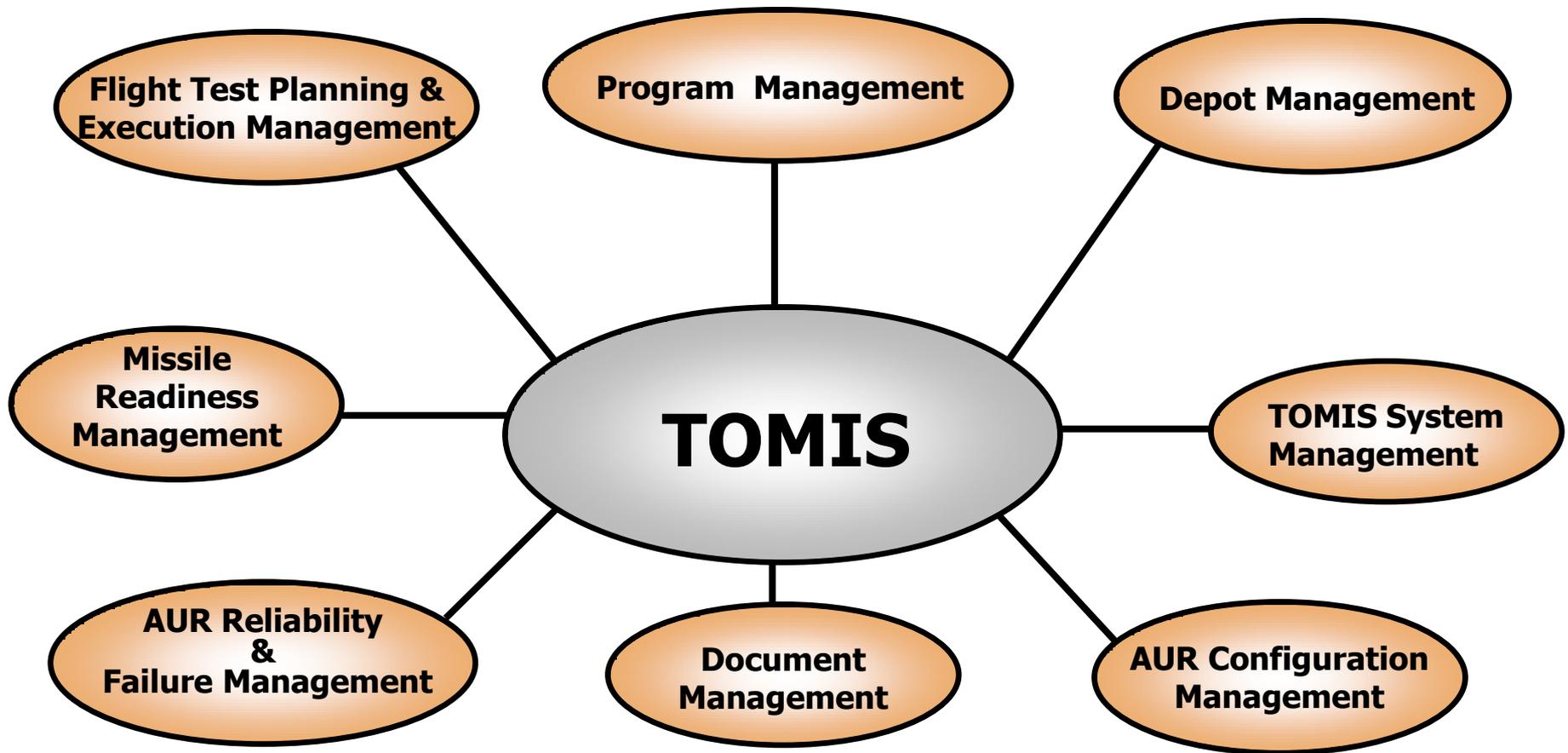


## Field Activities

- Engineering Analysis
- Tasking / Budget requests
- Logistics Support
- Inventory Tracking

- Configuration Management of AUR
- Contractor Compliance to Prod/Maint contracts
- Scheduling and Approval of Contractor Depot Tasking
- Effectivity of Engineering Changes
- Tomahawk Budget Management
- Flight Test Planning and Execution

# TOMIS is an Expandable Information System



•There are 24 TOMIS applications that support the function areas above



# TOMIS Software Engineering Support Services Requirements

- **Primary Tasks**

- **Task A: Software Development**
  - **Task B: Architecture and File Maintenance**
  - **Task C: System Analysis**
  - **Task D: Technical Support**
  - **Task E: Support Documentation**
  - **Task F: Quality Assurance**
  - **Task G: Information Technology Client Support Services**
- 
- ❖ ***A list of Government Specifications and Standards as well as Government Furnished Information (GFI) is provided in the SOW***
  - ❖ ***A reading room of GFI will be made available during the proposal process***



# **TOMIS Software Engineering Support Services Requirements**

- **Task A: Software Development**
  - **Contractor shall maintain existing TOMIS applications**
  - **Contractor will be provided access to GFI for the purpose of performing task**
  - **All software development is to be performed using tools and technologies specified in Statement of Work (SOW)**



# **TOMIS Software Engineering Support Services Requirements**

- **Task B: Architecture and File Maintenance**
  - **Contractor personnel must be certified at the Information Assurance Technician (IAT) Workforce Level II in accordance with DoDD 8570.01, Information Assurance Training, Certification, and Workforce Management**
  - **Contractor shall maintain the TOMIS architecture platform and ensure the suite of TOMIS applications are available to the user community**
  - **Contractor shall provide support in the daily operation and maintenance of TOMIS hardware and related network/communications equipment**
  - **Specific duties for the contractor are included in SOW**



# **TOMIS Software Engineering Support Services Requirements**

- **Task C: System Analysis**
  - **Contractor shall perform system analysis in accordance with government specifications and standards identified in SOW**
  - **System analysis shall include the analysis of emerging hardware and software technology, obsolescence issues and its impact on TOMIS applications**
  - **Contractor shall also propose changes to system hardware and software for impact to TOMIS performance, security, users, and applications**
  - **Contractor shall prepare technical reports documenting the study findings and provide recommendations to revise the GFI**
  - **Contractor will be provided access to GFI for the purpose of performing task**



# **TOMIS Software Engineering Support Services Requirements**

- **Task D: Technical Support**
  - **Contractor shall provide technical support to the TOMIS user community for all TOMIS applications**
  - **Provide work-around steps to the user community when end-users are unable to perform actions in applications due to TOMIS architecture hardware or software deficiency**
  - **Manage hardware or software deficiencies reported to technical support. Coordinate with NUWCDIVNPT TOMIS application project lead, NUWCDIVNPT TOMIS database manager and NUWCDIVNPT TOMIS network administrator to obtain an acceptable resolution. Coordinate with user to provide resolution or disposition of deficiency**
  - **Construct advanced level database queries with SQL and the TOMIS Q-Tool application for all TOMIS databases**
  - **Specific duties for the contractor are included in the SOW**



# **TOMIS Software Engineering Support Services Requirements**

- **Task E: Support Documentation**
  - **When TOMIS software or hardware changes, the contractor shall review existing TOMIS documents for accuracy and completeness as compared to the affected TOMIS application to ensure they accurately reflect the current state of TOMIS hardware configuration and software application capabilities**
  - **Documents include:**
    - **Functional specifications**
    - **Technical documentation**
    - **Database specifications**
    - **User manuals**
    - **Web-based help files**

# **TOMIS Software Engineering Support Services Requirements**

- **Task F: Quality Assurance**
  - **Contractor shall perform quality assurance testing on all TOMIS software programs to ensure applications operate in accordance with all government approved change requests**
  - **Create and revise test plans for all TOMIS applications and global functionality**
  - **Develop comprehensive test scripts to verify the effectiveness of software modifications using Visual Studio 2013**
  - **Perform comprehensive QA testing on classified and unclassified environments utilizing test scripts**
  - **Create final disposition technical reports of test results and provide to government according to GFI**
  - **Contractor will be provided access to GFI for the purpose of performing task**



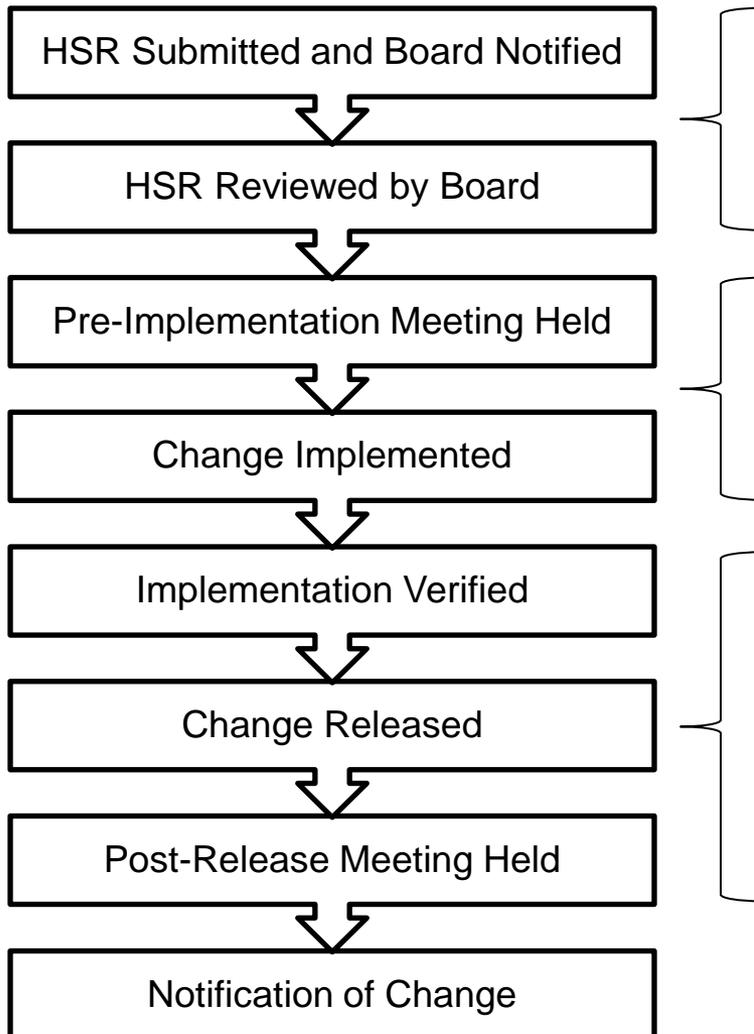
# **TOMIS Software Engineering Support Services Requirements**

- **Task G: Information Technology Client Support Services**
  - **Contractor shall provide Information Technology (IT) client support services to the Platform and Payload Integration Department**
  - **Contractor personnel must be certified at the IAT Workforce Level II certification in accordance with DoDD 8570.01, Information Assurance Training, Certification, and Workforce Management**
  - **Respond to requests for IT client support services by Code 40 government and contractor personnel. Diagnose user requests and provide technical solutions for corrective action**
  - **Provide IT client support services for NMCI and non-NMCI workstations and all associated hardware in use by Code 40**
  - **Specific duties for the contractor are provided in the SOW**

# Formal Hardware / Software Release Process

## Typical Day

- **This flow pertains to SOW tasks software development, architecture & file maintenance, technical support and QA**
- **SOW tasks system analysis and support documentation are assigned as a result of this process flow**



- **Roles in Hardware/Software Request (HSR) System are Business Rules Based**

- **Front-end, Database, QA, IA, and CM all involved**

- **Secure, methodical, and traceable testing performed on classified and unclassified development, prerelease, and production environments to ensure the stability and security of the production servers**

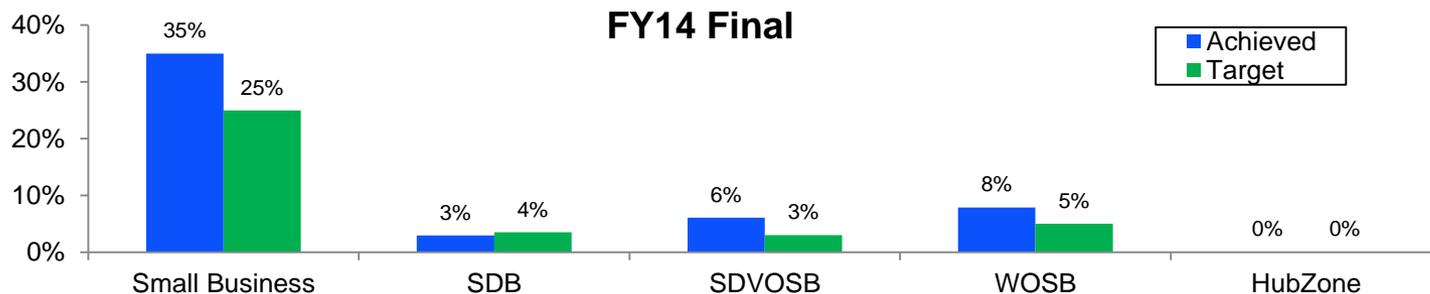


# Competition Goals and Metrics

- **Reduce SeaPort-e RFP responses by (1) vendor (i.e. “tripwire”)**
  - **Every RFP that had received multiple bids previously received multiple bids again**
  - **Reduced “(1) bids” by 70%**
- **Several new incumbents**
- **Five (5) new Prime vendors have entered the market**

# Small Business Metrics

- **FY 14**
  - Awarded a total of \$135M to small businesses for Products and Services
    - Increase of \$2M from FY 13
  - SEA00K - assigned goal: set-aside 25% for small business
    - Achieved 35%
- **FY 15**
  - Currently achieving 32%, goal is 35%



# Conclusion/Wrap-up

- **Thank you for your interest in the Code 4113 Tomahawk Information System (TOMIS) Software Engineering 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**
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