



## DEPARTMENT OF THE NAVY

### NAVAL INVENTORY CONTROL POINT

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IN REPLY REFER TO:

## LIMITED SOURCE JUSTIFICATION FOR

### DATA WAREHOUSE CONTRACTOR SUPPORT SERVICES

**N00104-11-F-QD27 P00001**

#### 1. IDENTIFICATION OF REQUESTING AGENCY AND CONTRACTING OFFICE:

- a. Agency Name: NAVSUP Business Systems Center
- b. Contracting Activity: NAVSUP Weapon Systems Support  
5450 Carlisle Pike  
Mechanicsburg, PA 17055-0788

#### 2. DESCRIPTION OF ACTION BEING APPROVED:

This limited source justification is for the award of a modification to a firm fixed price task order under General Services Administration (GSA) Information Technology (IT) Schedule Contract GS-35F-0882P.

#### 3. DESCRIPTION OF SERVICES:

Support for the NAVSUP Fusion Center Project is a unique effort that has been approved by NAVSUP leadership who directed that the effort should be performed in the Enterprise Data Warehouse environment. This effort will be aimed at creating a comprehensive data environment for Navy data, much like the DLA Fusion Center. Existing repositories will form the basis of the Fusion Center environment with primary focus on the architecture of the Inform-21 Enterprise Data Warehouse. Existing data feeds will be utilized and expanded as necessary, and additional data feeds will be incorporated to cover the full span of NAVSUP logistics and other business areas. The user interface will rely on the existing Inform-21 Cognos interface for dashboards, drill downs, metrics, and other views.

This is a request for additional tasks during the option period from 30 September 2012 through 29 September 2013 under task order N00104-11-F-QD27. At the time the task order was awarded, these task items had not yet been defined.

The estimated cost for these additional requirements is

#### 4. IDENTIFICATION OF STATUTORY AUTHORITY:

This Justification is based upon the authority of the Multiple Award Schedule program as derived from Title III of the Administrative Services Act of 1949 (41 U.S.C. 251, et seq.) and Title 40 U.S.C., Public Buildings, Property and Works and implemented in Federal Acquisition Regulation 8.405-6.

## 5. UNIQUE QUALIFICATIONS:

BI Solutions developed the overall design of the NAVSUP Enterprise Data Warehouse and the specific transaction flow from source data to the various components of the data warehouse to the end-user data cubes and views. BI Solutions is thoroughly familiar with the specifics of the NAVSUP Enterprise Data Warehouse architecture and operations. BI Solutions designed and implemented the data refresh strategy, Operational Data Store to Warehouse reconciliation processing, production recovery processes, architect models, and data cube daily refresh processes.

BI Solutions has contributed unique and specialized solutions that extend the capabilities of the commercial software used in the NAVSUP Enterprise Data Warehouse. These capabilities are not available in the marketplace. The following are examples of these unique qualifications and solutions:

- Single Sign On capabilities with Oracle Identity Directory (OID) using techniques developed on site and particular to the Navy environment. These capabilities provide a dynamic interface against the NAVSUP corporate master directory. BI Solutions created these processes and tools and has the specialized knowledge required to use, modify, and maintain them.
- Extensive customization of commercial off-the-shelf (COTS) software tools using approaches which are not provided or referenced in any of the COTS manufacturers' materials. These approaches combine JavaScript Ajax code with Cognos report objects and leverage customized java servlets on the application server to allow for database updates from within the business intelligence portal environment. By inventing and implementing this technique, BI Solutions has enabled Enterprise Data Warehouse to expand considerably the capabilities it can provide.
- Creation of a centralized JavaScript library of functions that are called from virtually all front-end reporting applications to accomplish a wide range of tasks.
- Development of a data cube automation process that creates over 120 cubes nightly, including customer's "special categories." These cubes support thousands of end-user generated reports.
- Pioneering use of cubes as data sources for standard report content. This approach has improved response times for NAVSUP reporting functions.
- Customized solution to allow other NAVSUP applications to leverage the Enterprise Data Warehouse for reporting capabilities rather than duplicating those capabilities.
- An advanced memory utilization and performance solution using partitioning, dynamic and persistent caching, sorters, and database pushdown optimization in order to load 100+ million rows of data in minutes.
- A specialized interface design, called within Informatica Workflow Manager and Scheduler software, that accesses many database sources, file systems, and web services using native database drivers, secure file transfer, Java, C language, ODBC/JDBC, Unix shell scripting, and MQ Series queues.

- Specialized PL/SQL procedures maintained and written to handle complex Data Definition Language (DDL) logic for partition maintenance, index maintenance, and dynamic SQL.
- These unique design and programming efforts by BI Solutions are the foundation for the transition to the Fusion Center concept to be accomplished within this requirement. BI Solutions is the only vendor with the toolset, experience and original design background to expand the data warehouse functions to incorporate the existing system into the Fusion Center requirement.

6. DETERMINATION OF BEST VALUE:

Supplies offered on the schedule are listed at fixed prices. Services offered on the schedule are priced either at hourly rates, or at a fixed price for performance of a specific task (e.g., installation, maintenance, and repair). GSA has already determined the prices of supplies and fixed-price services, and rates for services offered at hourly rates, under schedule contracts to be fair and reasonable. Discounts from the published pricing will be sought for any requirement that exceeds the maximum order threshold. This order represents the best value (as defined in FAR 2.101) and results in the lowest overall cost alternative (considering price, special features, administrative costs, etc.) to meet the Government's needs.

7. DESCRIPTION OF THE MARKET RESEARCH CONDUCTED:

The new tasks will use the foundation of the Fusion Center established in the first year of the task order to expand functionality. As previously established, BI Solutions possesses unique qualifications and experience that is not available in the marketplace to accomplish requirements as defined in the Fusion Center PWS. The details of BI Solutions customized coding solutions are provided in the Unique Qualifications statements above. No other vendor can bring the required toolset and experience to this continued development requirement. BI Solutions is the only vendor that can support the effort defined for Fusion Center additional task requirements that will expand the current data warehouse capabilities beyond the accomplishments in the base period of the current contract N00104-11-F-QD27.

8. OTHER SUPPORTING DATA:

None

9. ACTIONS TO REMOVE BARRIERS TO COMPETITION:

Current market research will be conducted for any additional follow on requirements.

10. REFERENCE TO APPROVED ACQUISITION PLAN/STRATEGY:

An Acquisition Plan is not required. This acquisition is below the thresholds prescribed in DFARS 207.103 for a written acquisition plan.

The Acquisition Plan covering this requirement is attached.

**TECHNICAL AND REQUIREMENTS CERTIFICATION REQUIRED BY FAR 8.405-6(c)(2)(x)**

I certify that the facts and representations under my cognizance which are included in this justification and which form the basis for this justification are complete and accurate.

Technical Cognizance:

(Signature) \_\_\_\_\_ (Name & Title) BSC (Command & Code) \_\_\_\_\_ (Phone) \_\_\_\_\_ (Date) 9/25/12  
Requirements Cognizance: Project Manager

(Signature) \_\_\_\_\_ (Name & Title) \_\_\_\_\_ (Command & Code) BSC (Phone) \_\_\_\_\_ (Date) 8/24/2012

**CONTRACTING OFFICER'S CERTIFICATION REQUIRED BY FAR 8.405-6(c)(2)(ix)**

I approve this justification and certify that it is accurate and complete to the best of my knowledge and belief. (Also represents approval below \$650K)

(Signature) \_\_\_\_\_ (Name & Title) CONTRACTING OFFICER NAVSUP USS (Command & Code) \_\_\_\_\_ (Phone) \_\_\_\_\_ (Date) 9/25/2012

**REVIEWED FOR LEGAL SUFFICIENCY BY COUNSEL (OVER 650K) REQUIRED BY**

**NAVSUPINST 5801.1**

(Signature) \_\_\_\_\_ (Name & Title) Counsel NAVSUP USS (Command & Code) \_\_\_\_\_ (Phone) \_\_\_\_\_ (Date) 9/25/12

**JUSTIFICATION APPROVAL REQUIRED BY FAR 8.405-6(d)(2)**

(Required for acquisitions valued above \$650K)

(Signature) \_\_\_\_\_ (Name & Title) \_\_\_\_\_ (Command & Code) \_\_\_\_\_ (Phone) \_\_\_\_\_ (Date) \_\_\_\_\_

\*Approval Levels:

- Contracting Officer: Up to \$650,000
- Competition Advocate: >\$650,000 to \$12,500,000
- HCA: >\$12,500,000 to \$85,500,000
- DASN ACQ (RD&A): >\$85,500,000