

**General Services Administration
FEDERAL SUPPLY SERVICE**

PROFESSIONAL ENGINEERING SERVICES

Authorized Federal Supply Schedule Pricelist

FSC Group: 871 FSC Class: R425

Contract Number: GS-10F-0306U

Period Covered by Contract: 22 July 2008 through 21 July 2013

Special Item Number(s): SIN(s)

871-2: Concept Development and Requirements Analysis

871-3: System Design, Engineering and Integration

871-4: Test and Evaluation



**Retica Systems, Inc.
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Business Size: Small Business



General Services Administration - Federal Supply Service

Services and ordering information in this Authorized FSS Professional Engineering Services Schedule Pricelist are also available on the GSA Advantage! System. Agencies can browse GSA Advantage! by accessing the Federal Supply Service's Home Page via the Internet at <http://www.gsaadvantage.gov>

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage!™ The internet address for GSA Advantage! is: <http://www.GSAAdvantage.gov>.

For more information on ordering from Federal Supply Services Schedules click on the FSS Schedules button at <http://www.fss.gsa.gov>

TABLE OF CONTENTS

Company Overview

Customer Information

871-2 CONCEPT DEVELOPMENT AND REQUIREMENTS ANALYSIS

871-3 SYSTEM DESIGN, ENGINEERING AND INTEGRATION

871-4 TEST AND EVALUATION

LABOR CATEGORY DESCRIPTIONS

COMPANY OVERVIEW



Retica Systems, Inc. is a privately held, company based in Waltham, Massachusetts founded in 2001. Retica Systems, Inc. (RSI) is the world's only patented developer of retinal recognition technology and one of only two U.S. patented suppliers of iris pattern recognition software. RSI is the result of many years of technology development by the Company.

The RSI engineering team has successfully developed a world leading iris algorithm that includes an encoding and matching software system. RSI's unique patented iris technology is being used to facilitate data collection that results in higher accuracy. Retica's primary customers have been the U. S. Army, and U. S. Air Force and many State Law Enforcement Agencies. Our key strength is our expert ability to develop and integrate both the hardware and software development to ***produce the best of breed iris biometric software and best of breed biometric imaging systems*** available today. We have deployed systems serving the U. S. Army's Biometric Task Force and continue to support the development effort for iris algorithm development and long range iris capture technology.

Retica's vision is to develop identity dominance and control solutions using novel less-constrained (a.k.a., standoff) multi-modal biometric acquisition technologies. Retica Systems, Inc. is engaged in the design, development, productization and deployment of security and identity management systems. Retica has become one of the top tier iris biometric software and device solution suppliers. Experts within the fields of image analysis and optical systems, including nine PhDs with on average 20 years experience, have worked hand-in-hand to develop innovative iris biometric technologies. Building on its long standing history in iris imaging, Retica was able to form a formidable iris biometric research team. Retica has developed a range of acquisition devices including Mobile Eyes™ the world's first dual-iris

portable hand-held capture device and Eagle Eyes™ *the world's first 3 to 6 meter face and dual iris capture device for less constrained biometric acquisition*. In addition, Retica's algorithmic team has systematically designed and implemented a sophisticated suite of proprietary iris algorithms. This suite includes a set of iris acquisition tools that facilitate a range of iris capture devices as well as a set of core iris algorithms for encoding and matching.

In partnership with a major systems integrator, Retica has previously deployed its portable dual iris – Mobile-Eyes biometric system for field testing overseas. Retica also delivered the DoD's first large-scale iris matching software system. Using off-the-shelf (COTS) hardware on an easily extendable compute cluster server, Retica's iris encoding and matching algorithms achieved match rates of over 400,000 per second.

Retica in partnership with the Biometric Task Force (BTF) conducted extensive testing of its system including over 99 billion iris template comparisons on unseen iris databases. *Retica is also producing a series of Proof-of-Concept 3 to 6 meter face and dual iris capture device demonstrators for testing with several other DoD partners*. Through this work Retica is pioneering within the field of less constrained biometric acquisition at larger standoff distances and is positioning itself as a leading developer of technologies at the intersection between biometrics and surveillance.

CUSTOMER INFORMATION

- I. A. Table of Awarded Special Item Number(s) with appropriate cross-reference to page numbers: 871-2 (EE,ME), 871-3(EE,ME), 871-4 (EE,ME)**
 - I. B. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply.**
 - I. C. If the Contractor is proposing hourly rates a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate "Not applicable" for this item.**
- 2. Maximum Order: \$750,000**

3. **Minimum Order:** \$100.00
4. **Geographic Coverage (Delivery Area):** Domestic only
5. **Point(s) of Production (City, County, and State or Foreign Country):**
Same as company address
6. **Discount from list prices or statement of net price:** Government net prices (discounts already deducted).
7. **Quantity discounts:** None Offered
8. **Prompt payment terms:** Net 30 days
9. **A. Notification that Government purchase cards are accepted at or below the micro-purchase threshold:** Yes
9. **B. Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold:** will accept over \$3,000
10. **Foreign items (list items by country of origin):** None
11. **A. Time of Delivery (Contractor insert number of days):** Specified on the Task Order
11. **B. Expedited Delivery. The Contractor will insert the sentence "Items available for expedited delivery are noted in this price list" under this heading. The Contractor may use a symbol of its choosing to highlight items in its price list that have expedited delivery:**
Contact Contractor
11. **C. Overnight and 2-day delivery. The Contractor will indicate whether overnight and 2-day delivery are available. Also, the Contractor will indicate that the schedule customer may contact the Contractor for rates for overnight and 2-day delivery:** Contact Contractor
11. **D. Urgent Requirements. The Contractor will note in its price list the "Urgent Requirements" clause of its contract and advise agencies that they can also contact the Contractor's representative to effect a faster delivery:** Contact Contractor
12. **F.O.B. Point(s):** Destination

13. **A. Ordering Address(es):** Same as company address
13. **B. Ordering procedures:** For supplies and services, the ordering procedures, information on **Blanket Purchase Agreements (BPA's)**, and a sample BPA can be found at the **GSA/FSS Schedule homepage** (fss.gsa.gov/schedules).
14. **Payment address(es):** Same as company address
15. **Warranty provision:** Contractor's standard commercial warranty
16. **Export Packing Charges (if applicable):** N/A
17. **Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level):** Contact Contractor
18. **Terms and conditions of rental, maintenance, and repair (if applicable):** N/A
19. **Terms and conditions of installation (if applicable):** N/A
20. **Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable):** N/A
21. **List of service and distribution points (if applicable):** N/A
22. **List of participating dealers (if applicable):** N/A
23. **Preventive maintenance (if applicable):** N/A
24. **A. Special attributes such as environmental attributes, (e.g., recycled content, energy efficiency, and/or reduced pollutants):** N/A
24. **B. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. Contractor's website or other location) The EIT standards can be found at: www.Section508.gov/.**
25. **Data Universal Numbering System (DUNS) number:** 19-3865776
26. **Notification regarding registration in Central Contractor Registration (CCR) database:** Retica Systems, Inc. is registered in the CCR.

SIN 871-2 CONCEPT DEVELOPMENT AND REQUIREMENTS ANALYSIS

Services required under this SIN involve abstract or concept studies and analysis, requirements definition, preliminary planning, the evaluation of alternative technical approaches and associated costs for the development or enhancement of high level general performance specifications of a system, project, mission or activity. Typical associated tasks include, but are not limited to requirements analysis, cost/cost-performance trade-off analysis, feasibility analysis, regulatory compliance support, technology conceptual designs, training.

Example: The development and analysis of the total mission profile and life cycle of the improved satellite including examination of performance and cost tradeoffs.

SIN 871-3 SYSTEM DESIGN, ENGINEERING AND INTEGRATION

Services required under this SIN involve the translation of a system (or subsystem, program, project, activity) concept into a preliminary and detailed design (engineering plans and specifications), performing risk identification/analysis/mitigation, traceability, and then integrating the various components to produce a working prototype or model of the system. Typical associated tasks include, but are not limited to computer-aided design, design studies and analysis, high level detailed specification preparation, configuration management and document control, fabrication, assembly and simulation, modeling, training.

Example: The navigation satellite concept produced in the preceding stage will be converted to a detailed engineering design package, performance will be computer simulated and a working model will be built for testing and design verification.

SIN 871-4 TEST AND EVALUATION

Services required under this SIN involve the application of various techniques demonstrating that a prototype system (subsystem, program, project or activity) performs in accordance with the objectives outlined in the original design. Typical associated tasks include, but are not limited testing of a prototype and first article(s) testing, environmental testing, independent verification and validation, reverse engineering, simulation and modeling (to test the feasibility of a concept), system safety, quality assurance, physical testing of the product or system, training.

Example: The navigation satellite-working model will be subjected to a series of tests, which may simulate and ultimately duplicate its operational environment.

Labor Rates: SIN 871-2, SIN 871-3, and SIN 871-4

| Labor Category | Hourly Rate w/IFF |
|---------------------------------------|--------------------------|
| V.P. Engineering (Program Manager) | \$ 181.35 |
| Chief Architect | \$ 181.35 |
| Principal Scientist | \$ 120.90 |
| Senior Scientist | \$ 113.15 |
| Senior Engineer | \$ 96.00 |
| Optical Engineer | \$ 109.37 |
| Mechanical Engineer | \$ 90.90 |
| Senior Software Engineer | \$ 120.90 |
| Software Test & Verification Engineer | \$ 93.31 |
| Helpdesk Specialist | \$ 40.30 |
| Administrative Support | \$ 35.26 |

Labor Category Descriptions (Contact Contractor for complete Descriptions)

| Labor Category | Experience | Education | Functional Description |
|-----------------------------------|------------|------------------|--|
| V.P Engineering (Program Manager) | 15 + years | Ph.D. | The Vice President of Engineering establishes the strategic and tactical direction, develop the operational plans, ensure cost and schedule performance, deploy the systems, and brief Executive Management as to the program direction and performance. Manages project operations and is responsible for staff coordination. Performs a variety of engineering tasks that are broad in nature and are concerned with design and implementation, including personnel, hardware, software and support facilities and/or equipment. |
| Chief Architect | 15 + years | Ph.D. | The Chief Architect is responsible for developing and coordinating a team of architects with the overall responsibility of program architecture development and consistency. Maintains knowledge of emerging methods and technologies; wants to stay on top of latest ideas within the database design and development discipline. Experience using proper database design methodologies, including star-schema, normalization, and selective demoralization to design clean, understandable, and elegant logical and physical databases appropriate for expected data use. |
| Principal Scientist | 15 + years | Masters Degree | The Principal Scientist builds and maintains the core scientific models of the application. The Principal Scientist develops software algorithms to automatically capture 2D and 3D biometric imagery and to match captured data to database. Also performs system integration, so that the entire process from imaging to output will be automated. Understands different biometric modalities and works on a team to develop prototype systems evaluate and improve their performance. |
| Senior Scientist | 10 + years | Bachelors Degree | The Senior Scientist is experienced with products that contain electronics, including high voltage electronics, control circuits, electro-mechanical devices, electro-optics and instrumentation. Experienced working with other electrical and electronics engineers; mechanical and optical engineers; software engineers and scientists to develop new products and test new products. The principal contributor to systems engineering activities which include one or more of the following: Concept of Operations Formulation, Requirements Definition, Analysis and Engineering, System Architecting, System Analysis and Design, Interface and Data Architectures, Design Analysis, System Integration, System & Op. Performance |

| | | | |
|---------------------------------------|------------|---|---|
| | | | Analysis, Lifecycle Cost Analysis & Estimation, Decision Analysis and Resolution |
| Optical Engineer | 10 + years | Bachelors | Knowledgeable in zoom optics alignment, bonding, and focusing, receiver optics focusing and alignment, the use of theodolites, optical collimators, sheer plates, autocollimators, optical flats, optical pellicles, high 10 W+ lasers in the visible, spatial filters, and general optical equipment. Routinely operates ZEMAX ray trace code to examine the performance features of optics design and to perform normal design trades. |
| Mechanical Engineer | 5-8 years | Bachelors degree | The Mechanical Engineer is conversant with mechanical, electrical and applications engineers in establishing requirements and design goals to meet requirements. The individual will provide ME support and help balance design tradeoffs to support system requirements, perform design / system analysis, develop design solutions often requiring the individual to use ingenuity to solve complex systems level problems, and identify both technical and cost discriminators to formulate sound strategies to achieve desired results, which will assist engineering personnel in making informed decisions to ensure program objectives are achieved, regarding technical performance, and technical decisions. |
| Senior Software Engineer | 7 + years | Master's Degree | The Senior Software Engineer is responsible for implementing design requirements and specification development, programming and implementation of product features and upgrades. Has experience with all phases of the software development lifecycle. |
| Software Test & Verification Engineer | 7+ years | Bachelors | The Software Test and Verification Engineer is responsible for executing manual and automated tests to assess the quality of the software and hardware components. |
| Helpdesk Specialist | 2-3 years | Associate Degree | The Helpdesk Specialist is responsible for providing world-class customer support, create and update technical and procedural documentation, analyze, research, and resolve complex issues by leveraging a variety of different resources. |
| Administrative Support | 5-7 years | High School Diploma or Associate Degree | Administrative Project Support person is proficient in MS Office Suite has extensive knowledge of PC based programs and the ability to quickly learn new systems through various platforms (web-based training, instructor lead, etc). Highly |

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| | | | project oriented and able to work well with multiple management-level individuals. |
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***End of Document**