

GENERAL SERVICES ADMINISTRATION

Federal Supply Service
Authorized Federal Supply Schedule Price List

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!, a menu-driven database system. The INTERNET address GSA Advantage! is: GSAAdvantage.gov.

Schedule 871 Professional Engineering Services

Professional Engineering Discipline: Electrical Engineering
Supported SINS:

871-2 Concept Development and Requirements Analysis
871-3 System Design, Engineering and Integration
871-4 Test and Evaluation

Contract number: GS-10F-0091U

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at fss.gsa.gov.

Contract period: January 1, 2008 – December 31, 2012



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8(a) Native-American Tribally Owned Small Disadvantaged Business

CONTRACTOR INFORMATION:

A **SRC Research & Technology Solutions, LLC (ARTS)** is an engineering, technology and scientific support services company formed in January 2006. ARTS is an 8(a) certified small disadvantaged Alaskan Native Corporation (ANC) owned business, providing a broad range of Engineering services as its Primary Engineering Discipline (PED), specifically in the area of Aerospace, Aviation, and Defense Systems. Our core company capabilities include:

- **SYSTEMS ENGINEERING:** ARTS provides systems engineering support to NASA, DoD and aviation customers. Engineers support the full project lifecycle from concept development through design, implementation and operations. This includes requirements definition and the development and review of documentation including Operations Concepts, Design Specifications, and Interface Control Documents.
- **HARDWARE DEVELOPMENT:** ARTS design and development capabilities include hardware electronics at the board, box and system level. This includes the development of ground support equipment such as simulators as well as the development of prototypes that are flight qualified.
- **SOFTWARE DEVELOPMENT:** ARTS software capability includes developing embedded software for both flight and ground systems. Embedded software for telemetry analysis, data communications and data interfaces with other subsystems are developed using the VxWorks operating system. Graphical User Interface (GUI) software is developed to display various flight and ground telemetry and develop software simulators in order to test system functionality.
- **ANALYSIS, TESTING, AND EVALUATION:** ARTS performs integration and test of spacecraft systems and subsystems including the execution of functional and performance tests, environmental testing, contamination monitoring, test planning, test preparation and coordination, definition of test requirements, test procedure development, test software development, and test data reduction and analysis.
- **MODELING & SIMULATION:** ARTS simulation capability includes the development and execution of simulations to support the testing and verification of hardware and software systems and interfaces.
- **PROGRAM/PROJECT MANAGEMENT:** ARTS performs program management, information and process management, configuration management, risk management, resource and facility management, quality control management, and work site management. ARTS is responsible for business and administrative planning, organizing, coordinating, directing, accomplishing, documenting and controlling actions associated with various engineering task orders. This includes maintaining program interfaces, performing short-term studies, and complying with technical, legal and regulatory requirements.
- **SATELLITE MISSION OPERATIONS:** ARTS staff have significant experience in satellite mission operations. ARTS staff have participated in real-time mission operations support for launch, orbit-raising, on-orbit operations and spacecraft anomaly resolution for a variety of spacecraft. We have either led or participated in the development of spacecraft command procedures, spacecraft contingency operations procedures, end-to-end tests, and operations script development. Operations functions performed include daily subsystem health and safety assurance, trending analysis and limit checking, planning and real-time support of special operations, operational procedure development, development and presentation of training material to operations crews, and status reporting. ARTS personnel have supported NASA and NOAA satellite launches.

We provide expert services to the private and public sectors in the following relevant SINs:

- Concept Development and Analysis (SIN 871-2)
- System Design, Engineering and Integration (SIN 871-3)
- Test and Evaluation (SIN 871-4)

1a. Professional Engineering Discipline (PED) and Special Item Number(s) (SINs):

SIN	SIN Description	PED
871-2	Concept Development and Requirements Analysis	Electrical
871-3	System Design, Engineering and Integration	Electrical
871-4	Test and Evaluation	Electrical

1b. Pricing for All PEDs/SINs

Labor Category	Hourly Rate
Project Director	\$199.08
Project Manager	\$162.71
Project Engineer	\$102.79
Principle Systems Engineer	\$103.96
Engineer	\$102.53
Senior Engineer	\$107.08
Simulation Engineer	\$140.54
Engineer Technician	\$ 44.76
Senior Project Planner	\$ 79.42
Project Planner	\$ 71.70
GIS Technician	\$ 74.66
Air Traffic Control Specialist	\$138.41
Airspace Design Engineer	\$ 96.39
Senior Airspace Design Specialist	\$128.41
Graphics Technician	\$ 58.75
Administrative Assistant	\$ 50.86
Subject Matter Experts	
Level I (IAPA/Flight Check Specialist) SME	\$128.41
Level III (Document Management Specialist) SME	\$169.90
Radar/Surveillance Specialist	\$174.20
NAVAID/Communications Specialist	\$194.10
Procedure Specialist	\$166.92
Engineering Specialist	\$164.24

1c. Labor Category Descriptions

MANAGEMENT

Project Director

Description: Performs business requirements and operations analyses, program control, and contract management. Responsible for coordinating and facilitating work assignments, staffing requirements, budget control, risk management and quality assurance of the products being developed. Responsible for formulating and enforcing work standards, assigning project schedules, reviewing work discrepancies, supervising project personnel and communicating policies, purposes, and goals of the organization to subordinates. Capable of managing multiple and complex projects simultaneously.

Minimum Education: Bachelors degree in engineering, management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 10 years management experience in overseeing large complex tasks related to professional engineering services.

Project Manager

Description: Responsible for coordinating and facilitating work assignments, staffing requirements, budget control, risk management and quality assurance of the products being developed. Responsible for formulating and enforcing work standards, assigning project schedules, reviewing work discrepancies, supervising project personnel and communicating policies, purposes, and goals of the organization to subordinates.

Minimum Education: Bachelors degree in engineering, management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 8 years management experience in overseeing mid to large complex tasks related to professional engineering services.

ENGINEERING

Project Engineer

Description: Oversee all aspects of electrical engineering tasks; senior position responsible to perform advanced and complex engineering tasks and to oversee moderate tasks performed by the engineering and project staff. Develop both conceptual and detailed designs.

Minimum Education: Bachelors degree in engineering, management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 6 years management experience in overseeing large complex tasks related to professional engineering services.

Principle Systems Engineer

Description: Responsible for requirements of definition and overall integration of complex engineering tasks. Must identify requirements for tasks, develop concepts, perform trade and sensitivity studies, and select optimum design concepts. Direct lead discipline engineers in developments of design concepts. Integrate engineering disciplines into final coordinated design concept.

Minimum Education: Bachelors degree in engineering, management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 6 years management experience in overseeing large complex tasks related to professional engineering services.

Engineer

Description: Designs and applies methods, theories, and research techniques in the investigation and solutions of complex and difficult systems. Applies engineering experience to perform functions such as system integration, configuration management, quality assurance testing, or acquisition and resource management. Analyzes, designs, develops, implements, tests, or evaluates system components related to engineering or functional requirements of operational systems, support systems, or management information systems. Organizes and documents findings of studies and prepares recommendations for implementation. Oversees and manages projects and programs.

Minimum Education: Bachelors degree in engineering, engineering management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 6 years experience in overseeing large complex tasks related to professional engineering services.

Senior Engineer

Description: Provides discipline specific or system specific support on systems, elements, interfacing systems, components, devices and processes. Possesses in-depth technical and theoretical knowledge in specific scientific or engineering discipline. Develops system architecture and design including software, hardware, communications and interface requirements. Leads definition, trade-off and design activities. Works independently or on a team to solve technical problems. Supports entire system life cycle. Prepares, reviews, and evaluates system documentation, specifications, test plans and procedures. Conducts analysis to define, analyze and allocate requirements. Supports test programs and analyzes test data. Conducts requirements analysis and performs audits to ensure functionality, operations and performance requirements are met. May provide daily management of staff and projects.

Minimum Education: Bachelors degree in engineering, engineering management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 8 years experience in supporting and overseeing tasks related to professional engineering services.

Simulation Engineer

Description: Possesses and applies comprehensive knowledge to the completion of large and complex assignments. Has superior technical capability in specialty area and working knowledge of a wide range of areas. Capable of accomplishing complete task from concept to conclusion.

Minimum Education: Bachelors degree in engineering, engineering management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 10 years management experience in supporting and overseeing tasks related to professional engineering services.

Engineer Technician

Description: Knows fundamental concepts in engineering discipline. Applies existing and newly developed knowledge readily. Willing to develop depth in a technical specialty and shows interest in other technical areas.

Minimum Education: Bachelors degree in engineering, engineering management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: Entry level with minimum 1 year experience performing tasks related to professional engineering services.

PLANNING/ANALYSIS

Senior Project Planner

Description: Responsible for analysis of project requirements for the purpose of designing, developing process improvements to support successful implementation of engineering related projects. Interacts with stakeholders; oversees integration of detailed engineering plans into a finished product meeting the requirements for detailed system design. Also assists with project management duties such as establishing and monitoring budgets and schedules and managing change control.

Minimum Education: Bachelors degree in engineering, engineering management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 5 years experience in performing tasks related to professional engineering services.

Project Planner

Description: Responsible for analysis of project requirements for the purpose of designing, developing process improvements to support successful implementation of engineering related projects.

Minimum Education: Bachelors degree in engineering, engineering management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 3 years experience in performing tasks related to professional engineering services.

GIS Technician

Description: Understand basic GIS theory, including the use of projections, coordinate systems, geoprocessing tools, and a basic knowledge of spatial analysis. Must be proficient at completing daily GIS tasks using the GIS desktop products, SDE databases, personal geodatabases, and SDSFIE Data Standards. Basic GIS skills including the development of specialized map products, spatial queries, and metadata creation are a must.

Minimum Education: Bachelors degree in geographical information systems, planning, engineering, computer science, business, mathematics, or other relevant discipline. Experience

working with GIS and CAD software. Direct work experience may be substituted for degree requirements.

Minimum Experience: 3 years experience in performing tasks related to professional planning services.

AIR TRAFFIC

Air Traffic Control Specialist

Description: Provides for the safe, orderly, and expeditious flow of air traffic

Minimum Education: Bachelors degree in engineering, engineering management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: Must possess a minimum of 5 years experience in a military or civilian air traffic facility. This experience must have provided a comprehensive knowledge of appropriate air traffic control laws, rules and regulations.

Airspace Design Engineer

Description: Responsible for airspace design engineering projects.

Minimum Education: Bachelors degree in engineering, engineering management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: Must possess a minimum of 5 years experience in performing tasks related to airspace design, United States Standards for Terminal Instrument Procedures (TERPS), and instrument flight procedures development. Must possess knowledge of procedures development software including Instrument Approach Automation (IAPA), Terminal Area Route Generation Evaluation Tool Simulation (TARGETS), and/or RNAV Pro

Senior Airspace Design Specialist

Description: Responsible for leading and participating in airspace design engineering projects.

Minimum Education: Bachelors degree in engineering, engineering management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: Must possess a minimum of 10 years experience in performing tasks related to airspace design, United States Standards for Terminal Instrument Procedures (TERPS), and instrument flight procedures development. Must possess knowledge of procedures development software including Instrument Approach Automation (IAPA), Terminal Area Route Generation Evaluation Tool Simulation (TARGETS), and/or RNAV Pro

GRAPHIC DESIGN

Graphics Technician

Description: Designs and develops 2D and solid models of mechanical or electrical/control systems. Follows general direction of engineer and/or senior project planner. Provides for functional inter-relationships, correct dimensions and interface details, and awareness of stress, kinematics, and operational details.

Minimum Education: Bachelors degree in engineering, engineering management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 3 years training and experience with CAD systems and experience in developing general drawings.

ADMINISTRATION

Administrative Assistant

Description: Provides administrative support to project engineering staff and managers.

Minimum Education: Associates degree in business, office management, engineering, computer science or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 2 years experience in office administration; skilled in office applications such as word processing, spreadsheets, presentation packages. Excellent communication skills.

SUBJECT MATTER EXPERTS

Subject Matter Expert I

Description: Recognized expert in a specific scientific, engineering or other relevant professional technical field required to support engineering services tasks. Recognized world class authority in the niche area they are being retained to address.

Minimum Education: Bachelors degree in engineering, engineering management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 6 years experience in area of expertise

Subject Matter Expert III

Description: Recognized expert in a specific scientific, engineering or other relevant professional technical field required to support engineering services tasks. Recognized world class authority in the niche area they are being retained to address.

Minimum Education: Masters degree in engineering, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 10 years experience in area of expertise

Radar/Surveillance Specialist

Description: Recognized aviation/aerospace expert in radar and surveillance. Recognized world class authority in the niche area they are being retained to address.

Minimum Education: Bachelors degree in engineering, engineering management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 8 years experience in area of expertise

NAVAID/Communications Specialist

Description: Recognized aviation/aerospace expert in NAVAID communications. Working independently on multiple tasks or complex projects and specialized in the analysis, architectural design and systems integration of advanced data or voice communication systems.

Minimum Education: Bachelors degree in engineering, engineering management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 8 years experience in area of expertise

Procedure Specialist

Description: Recognized aviation/aerospace expert in radar and surveillance. Recognized world class authority in the niche area they are being retained to address.

Minimum Education: Bachelors degree in engineering, engineering management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 8 years experience in area of expertise

Engineering Specialist

Description: Recognized aviation/aerospace expert in radar and surveillance. Recognized world class authority in the niche area they are being retained to address.

Minimum Education: Bachelors degree in engineering, engineering management, computer science, business, mathematics, or other relevant discipline. Direct work experience may be substituted for degree requirements.

Minimum Experience: 8 years experience in area of expertise

2. Maximum order:
\$750,000
3. Minimum order:
\$100
4. Geographic coverage (delivery area):
United States including District of Columbia, Hawaii, Alaska and Puerto Rico
5. Point(s) of production: N/A
6. ARTS' prices contain all discounts.
7. Quantity discounts: None
8. Prompt payment terms: None
- 9a. Government purchase cards are accepted at or below the micro-purchase threshold.
- 9b. Government purchase cards are accepted above the micro-purchase threshold.
10. Foreign items (list items by country of origin): N/A

11a. Time of delivery:

Delivery time of services will be negotiated between ARTS and the Government.

11b. Expedited Delivery:

Expedited delivery of services will be negotiated between ARTS and the Government.

11c. Overnight and 2-day delivery: N/A

11d. Urgent Requirements: N/A

12. F.O.B. point(s):

Destination

13a. Ordering address:

ASRC Research & Technology Solutions, LLC
6303 Ivy Lane Suite 130
Greenbelt, MD 20770-6322

13b. Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3.

14. Payment address:

ASRC Research & Technology Solutions, LLC
6303 Ivy Lane Suite 130
Greenbelt, MD 20770-6322

15. Warranty provision—not applicable.

16. Export packing charges are not applicable.

17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level). Only Visa and Mastercard are accepted. Customer must provide Card Number, Cardholder Name, Expiration Date, Amount and Invoice Number (if applicable).

18. ARTS adheres with Section 508 compliance and details can be found www.asrcrts.com. The EIT standards can be found at: www.Section508.gov/.

19. Data Universal Number System (DUNS) number.
615335937
20. ARTS is currently registered in Central Contractor Registration (CCR) database.