



# RTI International

## General Services Administration Multiple Award Schedule Federal Supply Group: Professional Services Authorized Federal Supply Schedule FSS Price List

For more information on ordering go to the following website: <https://www.gsa.gov/schedules>. Online 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 for GSA Advantage! is [GSA Advantage.gov](https://www.gsa.gov/schedules).

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General Services Administration  
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Price List current as of Modification  
#PS-0033 effective September 22, 2022 and  
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**Learn More**  
<https://www.rti.org/us-government>



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# The RTI Difference

## The RTI Difference

Federal agencies need a partner experienced in the federal workspace to provide objective, evidence-based research and technical assistance.

RTI International is an independent, nonprofit research institute dedicated to improving the human condition. Our vision is to address the world's most critical problems with solutions in pursuit of a better future. Clients rely on us to answer questions that demand an objective and multidisciplinary approach—one that integrates expertise across the social and laboratory sciences, engineering, and international development fields.

RTI believes in the promise of science for our clients, and we strive daily to deliver evidence-based solutions for the good of people, communities, and businesses around the world.

Our experts hold advanced degrees in more than 250 scientific, technical, and professional disciplines. Our staff of nearly 6,000 work in more than 75 countries—tackling hundreds of projects each year to address complex challenges on behalf of governments, businesses, foundations, academic institutions, and others.

Our dedication to conducting innovative, objective research and technical services makes RTI an outstanding partner for clients around the world.



### RTI at a Glance



**1,259**  
FY2021 Clients



**5,893**  
Staff Worldwide



**\$1.078B**  
FY2021 Revenue



**10**  
U.S. Offices



**3,977**  
FY2021 Projects



**8**  
International Offices

### Unbiased Research Partner

- RTI is a nonprofit research institute that is not bound to owners, shareholders, or a specific advocacy position.

### One of the World's Most Ethical Companies

- Recognized by the Ethisphere Institute as one of the World's Most Ethical Companies in 2020
- One of two honorees in the scientific and technical services category in 2020

## Practice Areas

### Health

- Public Health and Well-Being
- Health Care Transformation
- Behavioral Health
- Health Behavior Change
- Precision Medicine

### Education and Workforce Development

- Early Childhood Education
- K–12 Education
- Postsecondary Education
- Career and Workforce Development
- Education Policy, Systems, and Governance

### International Development

- Energy and Development
- Environment and Water Resilience
- Global Food, Security, Agriculture, and Nutrition
- Global Health
- Governance
- International Education
- Monitoring, Evaluation, Research, Learning, and Adapting
- Youth and Economic Opportunity

### Energy Research

- Carbon Capture and Utilization
- Biomass Conversion
- Natural Gas
- Energy Efficiency
- Industrial Water
- Syngas Processing

### Environmental Sciences

- Air Quality
- Water Resources
- Waste Management
- Chemical and Microbial Substances
- Climate Change

### Social and Justice Policy

- Community Safety and Crime Prevention
- Policing Research and Investigative Science
- Crime and Corrections
- Child Well-Being and Family Strengthening

### Food Security and Agriculture

- Market Systems Strengthening
- Food Safety
- Food and Nutrition
- Climate-Smart Agriculture
- Agriculture Innovation
- Obesity Prevention

### Innovation Advising

- Innovation Advisors
- Innovation for Economic Growth
- Innovation for Emerging and Developing Economies
- Innovation for Organizations
- Research, Technology, and Innovation Policy

## Commitment to Our Clients

As a client of RTI International, you will have a partner that provides scientific rigor and solid project management to deliver your solution on time and on budget.

We approach each project as a partnership and draw on our expansive network to assemble multidisciplinary teams with the targeted expertise to comprehensively analyze and uniquely address client challenges.

Contractor Performance Assessment Reports (CPARs) allow federal clients to provide only limited feedback on our project performance. That is why RTI implemented our interactive Client Listening Program.

RTI project leaders solicit client feedback at key points during a project and as needed, such as after the kickoff meeting or after the provision of a key deliverable. These brief questionnaires were designed to be completed within 2 to 3 minutes. Although the process is fast, the results are long-lasting. This feedback helps target our focus, recognize what we are doing well, and identify how we can improve our value to our clients. All completed questionnaires are reviewed by RTI management.

In addition, RTI leaders regularly conduct internal project reviews, analyze CPARs, and meet one-on-one with clients.

## Quality

RTI's commitment to quality is reflected in our objectivity and professional integrity, our innovation, and our scientific and technical leadership. It is the foundation of our past success and the cornerstone on which we are building our future.

*—Wayne Holden, President/CEO, RTI International*

All RTI employees are responsible for ensuring that their work adheres to RTI's quality, integrity, and ethical standards.

RTI's overarching quality management structure includes a corporate Quality Leadership Team that drives the strategic goals of the Quality Program.

- Members of the Quality Leadership Team are appointed by the Chief Operating Officer and approved by the President and Chief Executive Officer. The Team monitors and coordinates quality efforts across the organization.
- Each RTI Business Unit features designated quality leaders who implement these quality systems within their respective lines of business, share best practices, and communicate progress to the Corporate Leadership Team.



## Learn More

<https://www.rti.org/rtis-client-listening-program>

### 2020 Client Experience Excellence Award

- RTI was awarded a Premier Award for Client Satisfaction for "demonstrating a commitment to giving clients a voice as a means to deliver excellent service, and confirmation from clients that service was, indeed, excellent."

## ISO 9001 and CMMI Appraisal

RTI's Research Computing Division has been certified at ISO 9001 and appraised at Level 3 of the CMMI Institute's Capability Maturity Model Integration (CMMI) for development; our quality management system guarantees that our products and services meet or exceed our customers' needs and satisfy applicable statutory and regulatory requirements.



## Partnerships

### Academic and Research Institutions

Founded by academic institutions in 1958, RTI has a long history of collaboration with faculty, staff, and students at research universities, extending our capabilities to better serve our clients and contribute to scholarship.

- Six universities are represented on RTI's Board of Governors.
- The RTI University Scholars Program provides partial financial support for distinguished academic researchers to spend scholarly leave time to collaborate with our experts.
- RTI's robust Internship Program places a premium on creating opportunities for hands-on experience and engaged learning for students and recent degree recipients.

We also maintain close and diverse collaborations with our founding universities—North Carolina State University, the University of North Carolina at Chapel Hill, and Duke University—as well as historically black colleges and universities, such as North Carolina Central University and North Carolina A&T State University.

### SAS

RTI has partnered with SAS to tackle some of the world's greatest challenges by offering innovative services to government agencies and other organizations. SAS and RTI combined have more than 100 years of expertise in research and analytics.

This partnership will further strengthen and improve service to clients with comprehensive solutions that feature subject matter expertise, scientific rigor, advanced analytics, and technical and software products. Combining talented people with powerful software will generate focused data insights to meet our customers' greatest needs.



### Controlling and Eliminating Seven Neglected Tropical Diseases in Low-Income Countries

Through the U.S. Agency for International Development's Envision project, RTI has supported the distribution of 1.4 billion medications (worth \$16.2 billion) that were donated by major pharmaceutical companies to treat neglected tropical diseases. More than 230 million people are no longer at risk of lymphatic filariasis, and more than 86 million people have been spared from the risk of trachoma.



## U.S. Government

- Consumer Financial Protection Bureau
- Department of Homeland Security
- General Services Administration
- U.S. Agency for International Development
- U.S. Department of Agriculture
- U.S. Department of Commerce
- U.S. Department of Education
- U.S. Department of Energy
- U.S. Department of Defense
- U.S. Department of Health and Human Services
  - Administration for Children and Families
  - Agency for Healthcare Research and Quality
  - Assistant Secretary for Planning and Evaluation
  - Centers for Disease Control and Prevention
  - Centers for Medicare & Medicaid Services
  - Food and Drug Administration
  - Health Resources and Services Administration
  - National Institutes of Health
  - Office of the Assistant Secretary for Health
  - Office of the Assistant Secretary for Planning and Evaluation
  - Office of the Secretary
  - Substance Abuse and Mental Health Services Administration
- U.S. Department of Justice
- U.S. Department of State
- U.S. Department of the Interior
- U.S. Department of Transportation

## Learn More

<https://www.rti.org/>  
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## General Services Administration Multiple Award Schedule Service Categories

RTI International offers a diverse set of technical and scientific capabilities across a broad range of scientific disciplines through the U.S. General Services Administration's Multiple Award Schedule.

### Service Categories

SIN	SIN Description
Professional and Management Services	
541611	Management and Financial Consulting, Acquisition and Grants Management Support, and Business Program and Project Management Services
611430	Professional and Management Development Training
Engineering Services	
541330ENG	Engineering Services
541380	Testing Laboratory Services
541420	Engineering System Design and Integration Services
541715	Engineering Research and Development and Strategic Planning
Environmental Services	
541370GIS	Geographic Information Systems Services
541620	Environmental Consulting Services
Advertising, Communications, and Marketing Services	
512110	Video/Film Production
541613	Marketing Consulting Services
541810ODC	Other Direct Costs for Marketing and Public Relations Services
541850	Exhibit Design and Advertising Services
541910	Marketing Research and Analysis
Information Technology Services	
54151HEAL	Health Information Technology Services
54151S	Information Technology Professional Services

## Learn More

<https://www.rti.org/contact-us>  
[GSA@rti.org](mailto:GSA@rti.org)

# **Professional and Management Services**

## 541611 Management and Financial Consulting, Acquisition and Grants Management Support, and Business Program and Project Management Services

*Provide operating advice and assistance on administrative and management issues.*

*Examples include strategic and organizational planning, business process improvement, acquisition and grants management support, facilitation, surveys, assessment and improvement of financial management systems, financial reporting and analysis, due diligence in validating an agency's portfolio of assets and related support services, strategic financial planning, financial policy formulation and development, special cost studies, actuarial services, economic and regulatory analysis, benchmarking and program metrics, and business program and project management.*

Federal programs are often complex, requiring skilled expertise to meet technical requirements and an established infrastructure to meet contractual requirements. RTI International offers both—in house, in place, and ready for your research or technical assistance project.

RTI administers and manages projects on behalf of a range of clients, including government agencies, academic institutions, foundations, global nongovernmental organizations, and commercial companies. Examples include the following:

- U.S. Environmental Protection Agency
  - Helps develop and implement the Greenhouse Gas Reporting Program, which supports activities in 28 sectors of manufacturing, energy production, mining, and landfill operations.
- U.S. Department of Justice, National Institute of Justice
  - Leads the Forensic Technology Center of Excellence. Offers expertise across forensic disciplines and a robust infrastructure that includes laboratory sciences, criminal justice operations, web-based training, data collection, and technology assessment.
- The University of North Carolina at Chapel Hill (UNC)
  - Co-leads the RTI-UNC Evidence-based Practice Center, which conducts systematic reviews of drugs, devices, policies, and interventions for a variety of health care topics.
- Administration for Community Living, Administration on Aging
  - Leads the National Alzheimer's and Dementia Resource Center, which provides individualized technical assistance, reports, and other resources to programs that work to improve services to people with dementia and their caregivers.

RTI combines the intellectual talents of leading scientists and experts across key practice areas globally to address complex scientific and social challenges.

### Why RTI?

- Financial and contractual systems designed for federal clients, ensuring accuracy and compliance with specifications
- Internal multidisciplinary expertise, providing a single resource to meet technical and scientific requirements
- Independent, mission-driven research, providing an unbiased, objective approach to projects

## Capabilities

- Business process improvement
- Digital solutions
- Drug discovery
- Economic and regulatory analysis
- Facilitation of meetings, events, and workshops
- Grants management support
- Human research protection
- Implementation science
- Needs assessment
- Policy formulation
- Program design and implementation
- Program management
- Project management
- Research technology
- Statistical analysis
- Strategic and organizational planning
- Survey administration

### Program Management

- RTI leads a consortium of 18 partner organizations on behalf of the U.S. Department of Defense to deliver science, technology, engineering, and mathematics (STEM) outreach programming to more than 45,000 K–16 students and educators annually.

## Practice Areas

- Education and Workforce Development
- Energy Research
- Environmental Sciences
- Food Security and Agriculture
- Health
- Innovation Ecosystems
- Social and Justice Policy

### Implementing the Most Comprehensive Drug Use and Behavioral Health Study in the United States

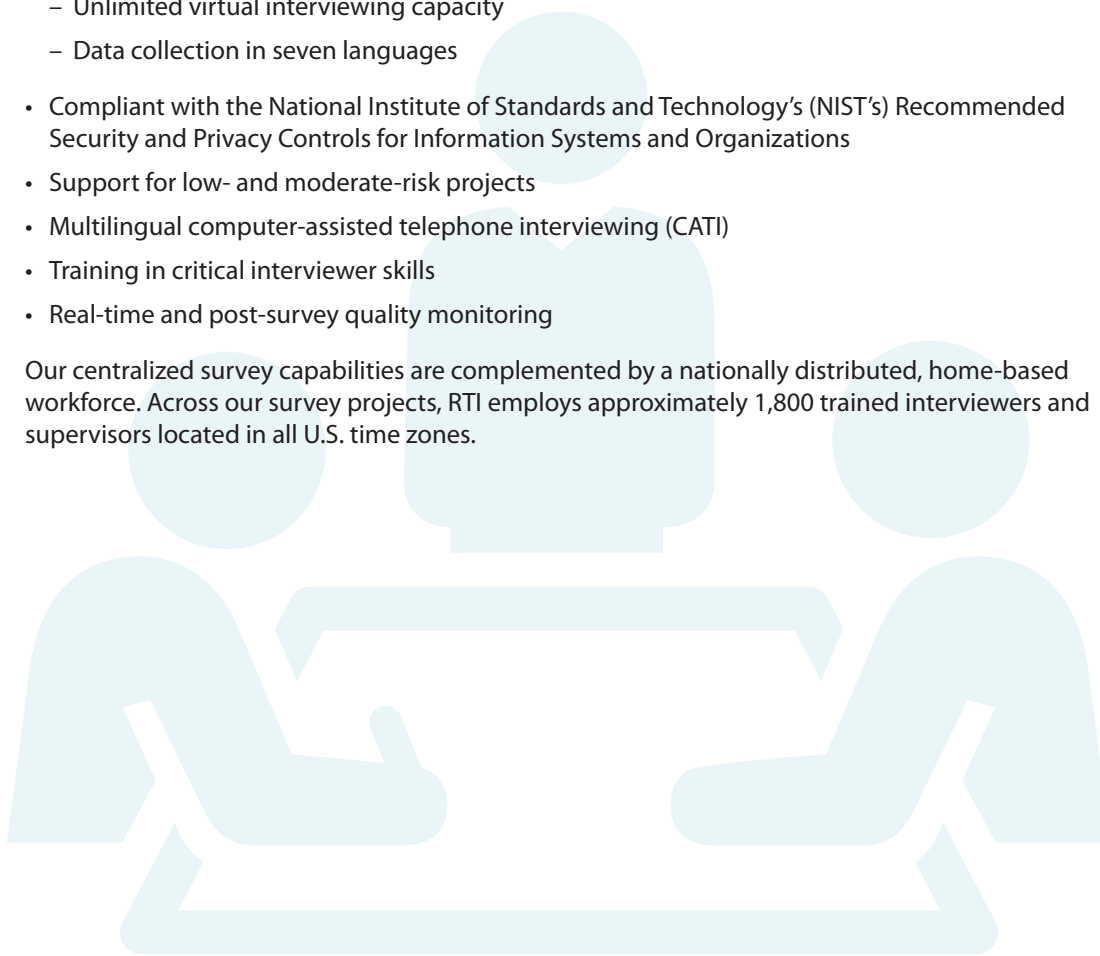
Since 1988, RTI has worked with the Substance Abuse and Mental Health Services Administration (SAMHSA) to conduct the National Survey on Drug Use and Health (NSDUH) and research the nature, extent, and consequences of substance use and related mental health issues in the United States. Our role has included study design collaboration; questionnaire development and programming; sample selection and weighting; data collection, processing, and analysis; data file preparation; and reporting. Using complex, computer-based questionnaires, we successfully administer more than 67,000 interviews nationwide for each annual iteration of NSDUH.

## RTI Research Operations Center

RTI offers research data collection and management services through our in-house, access-controlled Research Operations Center. We deploy sophisticated systems and processes for interviewing, quality monitoring, respondent locating, sample mapping, data capture, and fulfillment. Our capabilities include the following:

- High-capacity telephone survey
  - 240 networked telephone interview stations
  - 450 data collection specialists
  - 40 supervisors
  - Multiple shifts, 7 days/week
  - Unlimited virtual interviewing capacity
  - Data collection in seven languages
- Compliant with the National Institute of Standards and Technology's (NIST's) Recommended Security and Privacy Controls for Information Systems and Organizations
- Support for low- and moderate-risk projects
- Multilingual computer-assisted telephone interviewing (CATI)
- Training in critical interviewer skills
- Real-time and post-survey quality monitoring

Our centralized survey capabilities are complemented by a nationally distributed, home-based workforce. Across our survey projects, RTI employs approximately 1,800 trained interviewers and supervisors located in all U.S. time zones.



## Learn More

<https://www.rti.org>

## 611430 Professional and Management Development Training

*Services include offering an array of short duration courses and seminars for management and professional development.*

*Training for career development may be provided directly to individuals or through employers' training programs, and courses may be customized or modified to meet the special needs of customers.*

*Instruction may be provided in diverse settings, such as the establishment's or agency's training facilities, and through diverse means, such as correspondence, television, the Internet, or other electronic and distance-learning methods.*

*The training provided may include the use of simulators and simulation methods.*

*Examples include Training Services that are instructor led, Training or Web Based Training of Education Courses, Course Development and Test Administration, Learning Management, and Internships; Environmental Training Services in order to meet Federal mandates and Executive Orders; training of agency personnel to deal with media and media responses; Logistics Training Services related to system operations, automated tools for supply and value chain management, property and inventory management, distribution and transportation management, and maintenance of equipment and facilities; and Audit & Financial training services related to course development and instruction required to support audit, review, financial assessment, and financial management activities.*



Federal agencies need flexibility in today's ever-changing development and training programs. Do students need in-person training? Is online training effective? How are technologies like virtual reality incorporated into a training program? Who manages the myriad pre- and post-training activities, such as registration and certification?

RTI International's instructional designers, eLearning developers, and educators are professional trainers experienced in creating online and blended training deliverables that promote knowledge transfer, skills acquisition, and information sharing for a variety of learners and disciplines.

We have the creative ability and technical knowledge to develop and deliver a turnkey experience for on-site and online events by facilitating every aspect of a training opportunity, including the following:

- Archival and on-demand content hosting
- Certification and continuing education credits
- Event performance summary reporting
- Live event hosting and moderating
- Participant satisfaction reporting
- Pre- and post-event demographics and reporting
- Promotional newsletters
- Recording and transcription
- Registration management and reporting
- Subject matter expert guidance and support
- Testing

### Why RTI?

- Certified Government Meeting Professionals, ensuring compliance with federal rules and regulations for government meetings
- In-house technical support staff, providing timely responsiveness before, during, and after sessions
- RTI-supported hosting technologies, including Adobe Connect, Microsoft Teams, and Zoom, simplifying logistics of online events

## Capabilities

- Provide full-service task management, from planning and budgeting through content development and production.
- Develop user personas, learning objectives, content, practice exercises, scenarios, and animation that support the principles of adult learning theory.
- Produce engaging virtual modules and micro-trainings that include audio, video, animation, and quiz components.
- Create job aids and resources—such as user guides, checklists, and infographics— to support online products and provide convenient access to key information.
- Provide reporting of key data on user access, navigation, and completion of module exercises.
- Manage instructor-led trainings, including facility identification and set-up, and the following:
  - Use detailed budgeting and monitoring processes to provide a clear overview of options and expenditures.
  - Negotiate contracts to ensure the best rates for hotel accommodations and event space in your preferred location.
  - Employ targeted marketing practices that use social and digital media to engage participants and enhance attendance.
  - Conduct comprehensive evaluation design, analysis, and reporting capabilities to assess your event’s effectiveness.
- Manage web-based trainings, including the following:
  - Recommend appropriate delivery and engagement platforms to meet audience and budgetary needs.
  - Coordinate production of pre-event requirements, including customized event registration pages, presenter practice sessions, on-site audio/visual assets, and content development.
  - Facilitate event delivery from any location through RTI-supported hosting technologies.
  - Provide backend support to enhance meetings with breakout sessions, chat, and Q&A features and address technical issues quickly and seamlessly to minimize their impact.
  - Deliver customized event reporting to capture data on registration, attendance, and interactivity.

## Practice Areas

- Environmental Sciences
- Law Enforcement
- Professional Development
- Science, Technology, Engineering, and Mathematics (STEM)

## Learn More

<https://www.rti.org/>

<https://www.rti.org/practice-area/education-and-workforce-development>

<https://www.rti.org/centers/education-services>

# Engineering Services

## 541330ENG Engineering Services

*Services include applying physical laws and principles of engineering in the design, development, and utilization of machines, materials, instruments, processes, and systems.*

*Services may involve any of the following activities: provision of advice, concept development, requirements analysis, preparation of feasibility studies, preparation of preliminary and final plans and designs, provision of technical services during the construction or installation phase, inspection and evaluation of engineering projects, and related services.*

If your engineering or technology challenge requires deep technical expertise, pragmatic scientific and program leadership, and a multifaceted approach, contact RTI International today to learn more about how we can help.

RTI assembles multifunctional teams with expertise in materials science, process engineering, and electronics, and leverages close working relationships with industrial, academic, and national laboratories to support a diverse set of translational research and scale-up projects.

### Capabilities

- Concept development
- Feasibility studies
- Integrated logistics
- Requirements analysis
- Strategic planning
- Systems design, engineering, and integration
- Testing and evaluation

### Practice Areas

- Advanced Materials
- Aerosol Exposure and Protection
- Biofuels and Sustainable Products
- CO<sub>2</sub> Capture and Conversion
- Environmental Exposure and Protection
- Gas Separation and Conversion
- Health and Biomedical
- Industrial Water and Agriculture

### Why RTI?

- Multifunctional teams, reducing the need to outsource critical functions of the engineering process
- Multidisciplinary expertise, providing a single, holistic approach to your engineering project

### PPE Production and Testing

- Building on its 40 years of aerosol research, RTI has formed a response team to support the rapid production of personal protective equipment (PPE). Capabilities include evaluating aerosol and bioaerosol measurement, filtration efficiency, exposure, and contaminant transport.





### RTI Center for Water Resources

With advanced, information-based technology and solutions, RTI helps translate data into actionable information to strengthen water security and resilience against a backdrop of increasing demand, water scarcity, extreme weather events, and hydrologic uncertainty. Communities are vulnerable not only to the direct impacts of flood and drought, but also to the indirect impact of infrastructure failure. As a result, water managers must regularly assess the safety and reliability of their systems with tools to quantify risk and prioritize capital improvements.

### Hydrologic Risk Assessment

RTI uses advanced probabilistic hydrologic risk assessment methods to optimize risk quantification for the Tennessee Valley Authority's (TVA's) Dam Safety Program. We conduct storm and flood hazard probability analyses to simulate hydrologic and reservoir operation responses and develop hydrologic hazard curves. We also use hydraulic modeling, flood mapping, and consequence tools to perform dam failure consequence analyses to measure economic damage and loss of life. We apply similar advanced probabilistic approaches to assess long-term risk and vulnerability in water supply systems given highly uncertain future conditions. These services support risk-informed decision-making to enable TVA to focus their capital improvement efforts on the critical issues that are most likely to have significant consequences.



## Learn More

<https://www.rti.org/practice-area/environmental-sciences>

## 541380 Testing Laboratory Services

*Includes testing laboratory services and veterinary, natural, and life sciences; testing services and laboratories; and other professional, scientific, and technical consulting services.*

*Testing and services include, but are not limited to, physical, chemical, analytical, or other testing services; quality assurance; fire safety inspections; training; safety audits; relying upon experimental, empirical, quantifiable data, relying on the scientific method, and professional services, tasks, and labor categories in the fields of biology, chemistry, physics, earth sciences, atmospheric science, oceanography, materials sciences, mathematics, geology, astronomy, veterinary medicine, statistics, systems science, etc. (excludes social and behavioral sciences).*

*Examples of labor categories include, but are not limited to, Scientific Researchers, Biologists, Physicists, Mathematicians, Statisticians, Research Engineers, Meteorologists, Lab Technicians, Veterinarians and Veterinary Services, Chemists, Biochemical Engineers, and Research Nurses.*

Whether your program requires customized assessment, development, and validation of methods; or a broad-spectrum analysis, RTI International has the expertise and resources necessary to identify and execute the optimal approach.

Our expertise spans the chemical and analytical sciences and includes physicochemical characterization, proficiency testing, regulatory compliance, and biomarkers and metabolomics analysis. Our scientists regularly collaborate in the health, biological, chemical, environmental, agricultural, and forensic sciences to address pressing societal and commercial needs.

### Capabilities

#### Pre-Clinical and Clinical Analytical Services

- Characterization of metals
- Development and validation of bioanalytical methods
- High-throughput clinical sample analysis
- Impurity testing for inductively coupled, plasma-based metals
- Regulatory consulting
- Test article and dose concentration analysis
- Validation of methods for metals

#### Analytical Sciences

- Air and liquid particle counting
- Analysis of metals
- Characterization of complex chemicals
- Characterization and synthesis of metabolites
- Characterization of vaccines
- Chemical composition, structure, and morphology measurement
- Cleanroom facilities
- Contamination control and testing

#### Why RTI?

- Internal laboratories equipped to handle federal testing, reducing the need to outsource critical functions
- Expertise in multiple sciences and disciplines, providing a single resource for all your testing needs

- Identification of unknowns
- Industrial forensics
- Industrial troubleshooting
- Materials handling facility
- Methods development
- Microscopy
- Novel biopesticides
- Proficiency testing
- Separations, spectroscopy, and physical testing
- Specialty formulation
- Trace analysis
- USP elemental impurity analysis

## Compliance

- ANSI-ASQ ANAB reference material producer accreditation
- cGMP/GLP-compliant or R&D-type feasibility studies
- DEA Schedule of drug substances
- FDA Analytical Testing Facility
- IES and ASTM standards testing

## Practice Areas

- Analytical Chemistry and Pharmaceuticals
- Forensic Science
- Metabolomics
- Microbiology
- Physiochemical Characterizations
- Proficiency Testing and Reference Materials
- Quality Assurance and Regulatory Compliance



### RTI's Materials Handling Facility

This 6,000-gross-ft<sup>2</sup> (557-m<sup>2</sup>), freestanding barrier facility has the capacity to safely handle and process large quantities of toxic and hazardous materials, including carcinogens, flammables, corrosives, and biohazards such as infectious agents and biotoxins. Designed and constructed to meet National Institutes of Health specifications, the facility offers a secure, well-ventilated, controlled environment for chemical processing, and supports dose formulation for large-scale animal studies.

## Learn More

<https://www.rti.org/service-capability/analytical-laboratory-science>

## 541420 Engineering System Design and Integration Services

*Services include creating and developing designs and specifications that optimize the use, value, and appearance of their products. These services can include determination of the materials, construction, mechanisms, shape, color, and surface finishes of the product, taking into consideration human characteristics and needs, safety, market appeal, and efficiency in production, distribution, use, and maintenance. Associated tasks include, but are not limited to, computer-aided design, e.g. CADD, risk reduction strategies and recommendations to mitigate identified risk conditions, fire modeling, performance-based design reviews, high level detailed specification and scope preparation, configuration, management and document control, fabrication, assembly and simulation, modeling, training, consulting, analysis of single or multi spacecraft missions and mission design analysis. NOTE: Services under this NAICs cannot include architect-engineer services as defined in the Brooks Act and FAR Part 2 or construction services as defined in the Federal Acquisition Regulation Part 36 and Part 2.*

In well-established, competitive markets, public- and private-sector organizations and funding programs have been demanding new and innovative product concepts and prototypes at an ever-increasing rate. Many organizations face two major challenges to implementing these creative solutions: effectively converting them into useful products and services and doing so efficiently to meet market or social demand.

Taking complex products and technologies from the laboratory to the market is one of RTI International's specialties. We use our skills, resources, and collaborative spirit to help our clients drive their products and services from concept through development, manufacturing, marketing, and successful launch. With our uniquely broad subject matter expertise, we teach our partners how to utilize market forces and how to overcome gaps in expertise to accelerate the launch of a wide range of early-stage innovations into the marketplace.

### Capabilities

- Assembly and simulation
- Computer-aided design
- Configuration
- Consulting
- Creating and developing designs and specifications that optimize the use, value, and appearance of products
- Determination of the materials, construction, and mechanisms of products
- Fabrication
- High-level, detailed specification and scope preparation
- Management and document control
- Modeling

### Why RTI?

- Multifunctional teams
- Multidisciplinary experts
- In-house laboratory and testing facilities

- Performance-based design reviews
- Risk assessment and reduction strategies and recommendations to mitigate identified risk conditions
- Training

## Practice Areas

- Biomechanical
- Biomedical
- Energy
- Environment
- Health
- Mechanical
- Water



### RTI Advanced Smart Sensor Technology (ASSET)

RTI's ASSET initiative integrates short-wave infrared (SWIR) sensors with unmanned aircraft to give researchers a low-cost alternative to collecting images and data in low-resource environments. SWIR sensors detect water, making them useful in agriculture, forestry, and a variety of other commercial and scientific applications, including the following:

- Controlling the spread of mosquito-borne viruses by identifying containers of standing water that could serve as breeding sites
- Developing more accurate predictions of food crop yields through advanced phenotyping of plants during their growing cycles
- Aiding search and rescue operations by providing situational awareness under limited visibility conditions

## Learn More

<https://www.rti.org/centers/rti-center-water-resources>

<https://www.rti.org/practice-area/energy-research>

<https://www.rti.org/service-capability/process-engineering-and-technology-development>

<https://www.rti.org/service-capability/engineering-technology-rd>



### RTI Rapid Risk Suite

The impacts of climate change, including the increased frequency and severity of extreme weather events, place stress on dams and other aging infrastructure. The ability of dam safety programs to identify dams at the highest risk of failure is a “must-have” and enables program managers and regulators to better prioritize investments and to ensure that the best possible decisions are made to maximize public safety and property protection.

The RTI Rapid Risk Suite simplifies portfolio risk assessment and infrastructure prioritization for dam safety organizations with features such as the following:

- Rapid hydrologic loading and consequences analyses
- Ability to scale for up to hundreds or thousands of dams
- More complete understanding of risk via probabilistic information

### RTI Wearables Research and Analytics Platform (WRAP)

The widespread adoption of wearable technology has strengthened the ability of researchers to better understand and improve public health. RTI WRAP is an end-to-end research software platform that enables the collection of data via connected devices (e.g., Garmin, Fitbit) worn by research study participants. Our staff and clients can use RTI WRAP to streamline the entire wearable-based study lifecycle, including study design and safety/ethics review; device procurement and deployment; and data collection and analysis.



## 541715 Engineering Research and Development and Strategic Planning

*Services include conducting research and experimental development (except nanotechnology and biotechnology research and experimental development) in the physical, engineering, and life sciences, such as agriculture, electronics, environmental, biology, botany, computers, chemistry, food, fisheries, forests, geology, health, mathematics, medicine, oceanography, pharmacy, physics, veterinary, and other allied subjects.*

*Typical tasks include, but are not limited to, analysis of mission, program goals and objectives, program evaluations, analysis of program effectiveness, requirements analysis, organizational performance assessment, special studies and analysis, training, and consulting; requirements analysis, cost/cost performance trade-off analysis, feasibility analysis, developing and completing fire safety evaluation worksheets as they relate to engineering services; operation and maintenance, evaluation of inspection, testing, and maintenance program for fire protection and life safety systems, program/project management, technology transfer/insertion, training, and consulting.*

Engineering research and development (R&D) does not operate in a vacuum. An effective program requires an approach that crosses sectors and technologies to identify new solutions to today's problems.

RTI International leads engineering programs from initial R&D to prototyping to commercialization. Drawing on our multidisciplinary background, we apply innovative technologies in statistics, health, and social research.

### Why RTI?

- Internal expertise across sectors, providing a single resource for projects
- Multidisciplinary, holistic perspectives for your R&D project
- In-house laboratories, reducing the need to outsource critical functions



### Grid Environmental Trade-Offs in the Hydropower Sector

As a part of the U.S. Department of Energy's HydroWires Initiative, RTI partnered with Oak Ridge National Laboratory and four other national laboratories to assess links between environmental multi-objective flow requirements, reservoir operating decisions, and power system needs.

This project recognizes the complexities in defining operating policies for hydropower reservoirs that allow operators to take full advantage of available flexibility to meet needs on the electrical grid while balancing nonpower needs, such as healthy rivers, recreation, water supply, and flood control.

The project attempts to lay out a framework for evaluating these trade-offs through a series of case studies in which we identify optimal strategies that effectively support both environmental and power generation needs.

The team aims to demonstrate the increased benefits of hydropower in the future with greater renewables penetration.

## Capabilities

- Concept development and requirements analysis
- Development and scale-up of novel materials and associated systems
- Feasibility analyses
- In-use characterizations
- Lab- to bench-scale experiments
- Material toxicology and pharmacology
- Materials synthesis and formulation
- Modeling and process simulation
- Program analysis and evaluation
- Program and project management
- Research and development
- Special studies and analyses
- Strategic planning for technology programs/activities
- Systems design, engineering, and integration
- Testing and evaluation

## Practice Areas

### Energy

- Biomass Conversion
- Carbon Capture and Utilization
- Energy Efficiency
- Industrial Water
- Life Cycle Analysis
- Natural Gas
- Petroleum
- Syngas Processing
- Techno-Economic Analysis
- Transportation

### Water

- Climate Change Assessment
- Hydrologic, Hydraulic, and Reservoir Model Development and Calibration
- Operational Forecast System Implementation
- Planning Studies
- Risk Analysis

### Process Engineering and Technology Development

- Device Fabrication, Integration, and Testing
- Systems Design and Materials Synthesis
- Technology Identification, Development, and Transfer

### Materials Science

- Air Filtration Design and Testing
- Construction
- Drug Delivery
- Gas Extractions
- Hydrogen Production and Purification
- Nanomaterials Integration
- Polymer Processing
- Renewable Biochemicals
- Water Purification



**RTI's Energy Technology Development Facility (ETDF) provides the physical space to demonstrate process technologies at the critical transition from bench to pilot scale.**

The ETDF is available as a user facility for commercial and government clients. RTI's highly trained staff of engineers, scientists, and project managers can solve process development challenges from lab to pilot scale. Rigorous safety protocols guide all activities.

#### Overview

- 20 m x 18 m area; 12.5-m peak height
- 200 kW of 480 V power
- Chilled water
- Compressed air
- External control room
- Flue-gas supply
- Integrated stair and mezzanine system
- Low-pressure process steam
- Micro-bulk CO<sub>2</sub>
- Micro-bulk nitrogen
- Utilities
- Vent header/thermal oxidizer

#### Technology Uses

- Advanced solid sorbent-based CO<sub>2</sub> capture process
- Carbon capture with non-aqueous solvents (NAS)
- Catalytic biomass pyrolysis
- High operating temperature transfer and storage (HOTS) process
- Small-scale engine reformer technology

## Learn More

<https://www.rti.org/service-capability/engineering-technology-rd>

<https://www.rti.org/practice-area/energy-research>

# Environmental Services

## 541370GIS Geographic Information Systems Services

*Geographic Information Services (GIS) provided in support of environmental program include cultural resource GIS (CRGIS); groundwater monitoring; growth forecast modeling; habitat conservation plans; habitat modeling; image analysis support for emergency response; mapping, cartography, and mashups (e.g., combining data from more than one source into a single integrated tool to include aerial mapping); migration pattern analysis; natural resource planning; remote sensing for environmental studies; terrestrial, marine, and/or atmospheric measuring/management; vegetation mapping; and watershed characterization for mitigation planning.*

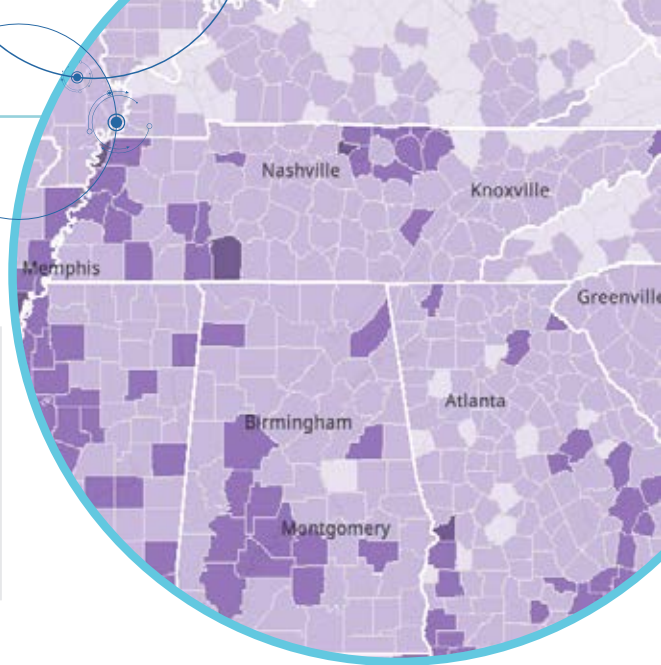
GIS services provide federal agencies with innovative, cost-effective approaches to help manage and analyze spatially referenced data to better understand our world.

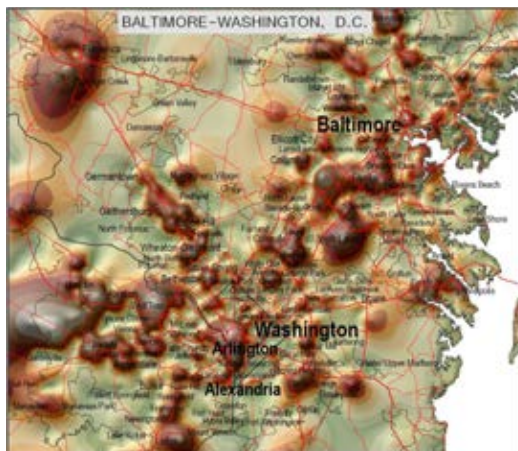
At RTI International, our approaches are based on our foundation of multidisciplinary expertise, which includes designing and developing geospatial databases, conducting geospatial analysis, performing exploratory spatial data analysis, and using spatial statistics to analyze trends and patterns.

RTI scientists have expertise in designing web-based and desktop geospatial tools, developing synthesized human and livestock databases, and creating high-quality cartographic products and map atlases. We apply our geospatial technologies experience in support of a wide range of research areas, including geospatial environmental data management and analysis (with a particular focus on water and air quality data), geospatial tool and database development to support infectious disease modeling, and geospatial tool and data application to conduct research on crime, violence, and social justice. RTI also has developed automated mapping systems to support large-scale household surveys, has used geospatial data and mapping techniques to support epidemiological studies, and has provided general support for many social policy and health policy research projects.

### Why RTI?

- Databases and applications to support research in public health, social policy, and the environment
- GIS and database technologies to support federal, state, and local agencies and organizations





## Capabilities

- Air and water quality
- Crime, violence, and justice
- Emergency preparedness and response
- Environmental and health risk assessments
- Epidemiology
- Geospatial environmental data management and analysis
- Health, economic, and social policy research
- International development
- Spatial statistics and exploratory data analysis
- Survey research and operations

## Practice Areas

- Data Science
- Education and Workforce Development
- Environmental Sciences
- Food Security and Agriculture
- Health
- International Development
- Social Policy
- Water

### RTI Corylus – Affordable Asset Inventories

RTI's urban asset inventory system and workflow deliver detailed maps and reports at low costs so decision-makers can access high-quality, easy-to-understand data about the quantity, location, and quality of infrastructure, economic, and social activities. Summary statistics created for each asset type allow decision-makers to quickly identify high-priority assets and locations that need investment and maintenance.

Provides a complete record of photographic evidence to support the quality and validity of the resulting GIS database. Useful in case of potential disputes with stakeholders or politicians.

#### Step 1

##### Image Collection

Use RTI's Corylus system to capture 360-degree, street-level images of entire cities.



#### Step 2

##### Asset Inventory Coding

Create a geospatially explicit asset inventory from the images



#### Step 3

##### Results

Analyze asset inventory data and provide actionable information on investment needs and revenue opportunities.





### Air and Water Quality

RTI's geospatial scientists work closely with air and water quality researchers in tight, dedicated, collaborative teams to employ geospatial technologies to manage data and develop geospatial analysis and modeling methods to solve our clients' complex needs. Our primary geospatial research focus includes analyzing and managing federal air and water monitoring databases of criteria pollutants, air toxics, PM10, PM2.5, emissions inventories, ambient air modeling networks, 305(b), 303(d), and total maximum daily load.

In addition, we have extensive experience with integrating and analyzing air dispersion and air deposition models in geospatial environments and with using large-scale surface water flow analysis and modeling techniques developed for use with national geospatial hydrography databases, such as the National Hydrography Dataset (NHD) and the enhanced NHDPlus.

## Learn More

<https://www.rti.org/service-capability/geospatial-science-technology-and-visualization>

## 541620 Environmental Consulting Services

*Services include providing advice and assistance to businesses and other organizations on environmental issues, such as the control of environmental contamination from pollutants, toxic substances, and hazardous materials; Endangered species, wetland, watershed, and other natural resource management plans; Archeological and/or cultural resource management plans.*

*This includes identifying problems (e.g., inspect buildings for hazardous materials), measure and evaluate risks, and recommend solutions, multi disciplined staff of scientists, engineers, and other technicians with expertise in areas, such as air and water quality, asbestos contamination, remediation, ecological restoration, and environmental law such as Planning and Documentation Services for the development, planning, facilitation, coordination, and documentation of and/or for environmental initiatives (or mandates such as Executive Order 13693) in areas of chemical, radiological, and/or hazardous materials; ISO 14001 Environmental Management System (EMS) and sustainable performance measure development; Environmental Assessment (EA) and Environmental Impact Statement (EIS) preparation under the National Environmental Policy Act (NEPA).*

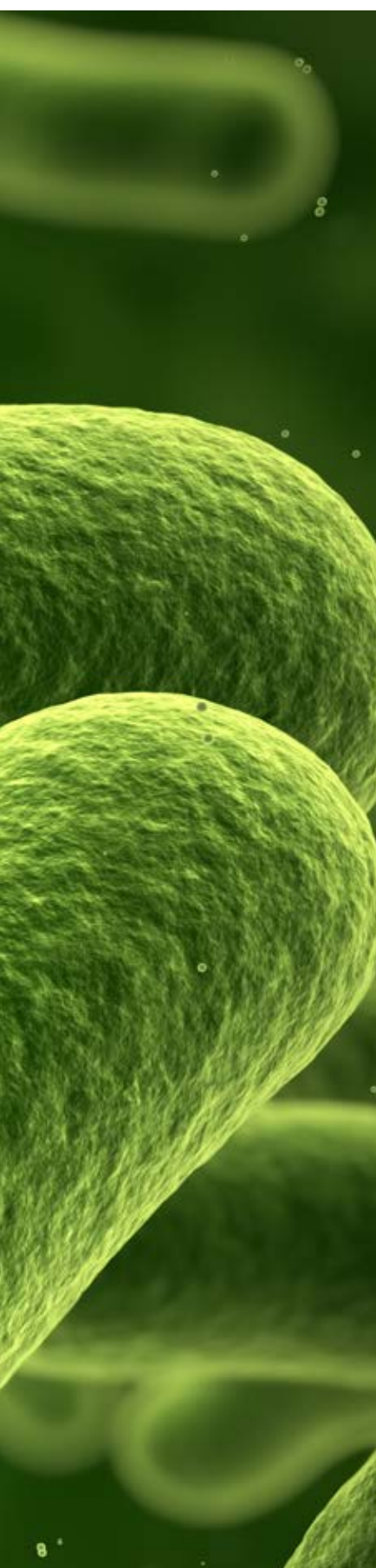


Earth's ecosystems—from forests and grasslands to wetlands and marine systems—benefit society in a variety of ways. For example, they enhance human well-being by providing sources of food, energy, recreation, and natural beauty. However, benefits from these ecosystems can be difficult to measure, and often their value is not fully considered in decision-making in the public and private sectors. RTI International's research in environmental services is designed to address these challenges and to inform decision-making at all levels.

With expertise in environmental research, management, and analysis, we help clients make science-based decisions. For government agencies, we conduct research, perform analyses, and develop methods and models to address emerging technical issues related to environmental policy and regulatory development. Our engineers, scientists, statisticians, economists, policy experts, and modelers collaborate with clients to inform environmentally sustainable practices and develop innovative, cost-effective solutions.

### Why RTI?

- In-house technical expertise across environmental disciplines, providing a single resource for a range of environmental consulting services



## Capabilities

- Air quality planning and management
- Assessment of hazardous waste combustors
- Biodiversity conservation
- Characterization of alternative types of standards, including those related to technology and performance
- Climate resilience
- Community relations/outreach support, including website development
- Consultation and support on environmental justice issues
- Development of environmental regulations
- Development of methods and models
- Development of watershed information management systems
- Economic cost-benefit analysis, including regulations under the Clean Water Act, Clean Air Act, Resource Conservation and Recovery Act, and Toxic Substances Control Act
- Economic instruments
- Endangered species surveys
- Environmental assessment and analysis
- Environmental program and project planning
- Environmental risk analysis
- Exposure and risk assessment
- Field and vegetation studies
- Governance of natural resources
- ISO 14000 program support
- Local and national-scale studies
- Management of waste and sustainable materials
- Monitoring and forecasting
- National risk assessments to support regulatory decisions
- NEPA documentation
- Planning and allocation
- Quality assurance oversight
- Regulatory and permit compliance
- Risk assessment
- Technical documentation review
- Toxicology profiles
- Urban resilience and sustainability
- Water monitoring and forecasting
- Water quality modeling
- Water sector governance
- Watershed management
- Watershed monitoring and assessment

## Broad Federal Experience

- RTI has environmental services contracts with multiple U.S. federal government agencies including the Environmental Protection Agency, the Department of Energy, the National Oceanic and Atmospheric Administration, the Department of Defense, the U.S. Bureau of Reclamation, the U.S. Geological Survey, and others.

**RTI-CHARM COMMENT HANDLING AND RESPONSE MANAGER** Welcome **dlu@lock**! | Change Password | Log Out

Project: Clean Power Plan (CPP) Report

Projects | Project Information | Outline | Comments | Excerpts | **Summaries/Responses** | Generate RTC | Search | Manage Users | Unlock Summaries

**SUMMARIES/RESPONSES**

Click on the outline section in the list box to view the corresponding records in the table.  
Use the "Add," "Edit," and "Delete" links in the first column of the table to add, modify, or remove items.  
Filter by column values by typing in the text boxes at the top of each column.

Section: 1.1 - Legislative History / Congressional Intent ☒ Summarized ☒ Unsummarized [View Excerpts](#)

Current summary/responses are listed below

SW Count	Excerpt Count	Unsum Count	Section	SW ID	Order	RTC No.	Status	Last Edited By	Last Edited On	Internal Notes
0	0	0	1.0 - Statutory Text							
4	50	0	1.1 - Legislative History / Congressional Intent							
0	0	0	1.2 - Statutory Authority							
52	98	0	1.2.1 - EPA has a statutory duty to regulate GHGs from EGUs							
8	100	0	1.2.2 - CPP exceeds EPA's authority							
17	50	0	1.2.3 - CPP does not exceed EPA's authority							

SW ID	Order	RTC No.	Status	Last Edited By	Last Edited On	Internal Notes
33046	1	1	In progress	Stephen Boone	8/26/2018	Intro. 3 options for existing sources, scope of "system" in EISA
33014	10	2	In progress	Stephen Boone	8/26/2018	NGPS should be more stringent than EISPS
33055	15	3	In progress	Stephen Boone	8/26/2018	"Technological" and Title IV
33040	25	4	In progress	Stephen Boone	8/26/2018	GHG References in the CAA

Select export format: **XLS** [Export](#)

[Delete Filter](#)

**RTI Comment Handling and Response Manager (RTI-CHARM)** is a web-based software system designed to efficiently process public comment letters through data management and real-time collaboration.

RTI-CHARM streamlines the process of accepting and responding to public comments in national, state, and local programs involving permitting, rulemaking, and peer review. Users can easily access comments, excerpt substantive information, and place excerpts into a project-specific document in a response-to-comments outline.

### A Trade-Off Analysis for Prioritizing Land Conservation

To help local stakeholders and decision-makers manage land use change in North Carolina's Catawba-Wateree Basin, RTI developed a spatially explicit hydrologic model for the Water Research Foundation that simulates streamflow alterations in more than 5,000 catchments and sediment load changes to 11 main reservoirs. We used this framework to develop catchment-level metrics to compare land conservation benefits and costs. Benefits include reductions in streamflow variability and extremes, reservoir recreation, and impacts to lakeshore property value. Our analysis prevented potential drinking water treatment costs due to reduced reservoir sediment loads and improved carbon storage and air quality by preserving tree cover.



## Practice Areas

- Air Quality
- Chemical and Microbial Substances
- Climate Change
- Waste Management
- Water Resources

## Learn More

<https://www.rti.org/practice-area/environmental-sciences>

# **Advertising, Communications, and Marketing Services**

## 512110 Video/Film Production

*Services include writing, directing, shooting, arranging for talent/animation, narration, music and sound effects, duplication, distribution, video scoring, and editing.*

*Videotape and film production services will be provided to inform the public and Government agencies about the latest products, services, and/or issues in various outputs, such as industry standard formats, accessibility, and video streaming development.*

*Filming in studios, on location, live shows, or events may also be required.*

A video for a research project requires more than a talented videographer and flashy features. It requires both technical expertise and an understanding of the unique educational, content, and training needs of the federal agency and its stakeholders.

RTI International's Video and Motion Team designs and produces quality creative video and audio content that connects on an emotional level to teach, train, and inspire.

Our capabilities have evolved from video production to crafting narratives using various media platforms, including animations, StoryMaps, podcasts, and interactives. Our state-of-the-art film and audio studio is located at RTI's headquarters in Research Triangle Park, NC, and is equipped with the latest production equipment, editing software, and enterprise storage to provide the best quality products to our clients. We also offer remote video and audio recording services with the same high-production value.

### Capabilities

- 360/virtual reality videos
- Animation (2D/3D) and motion graphic design
- Creative conceiving and storyline development
- Creative messaging exploration and development
- Customer references (interviews)
- Documentaries
- Event storytelling and video presentation design
- Interview guide creation
- Live-action video production
- Live event production
- Long-form video presentations
- Music composition
- Podcasts
- Script writing
- Storyboarding
- Videos for training modules
- Voice-over recording

### Why RTI?

- In-house creative staff with an extensive background in public health, financial education, and entertainment
- In-house technical staff that has produced diverse content on extensive topics
- On-site film and audio studio, reducing time and expense of subcontractors





**The RTI Video and Motion Team can enhance your business in the following ways:**

- Use the transformational power of storytelling to share your message.
- Tell your story through a concept that resonates with your audience.
- Produce a targeted product that can be used across multiple formats and platforms.
- Provide complete live or remote audio services and podcasting capabilities with our professional sound booth and music sourcing.
- Conduct a needs assessment to help you balance your budget with audience and bandwidth requirements.



## Practice Areas

- Education and Workforce Development
- Environmental Science
- Forensic Science
- Health Communications
- Health Science
- Information Technology
- International Development
- Justice and Racial Equity
- Social Policy

## Learn More

<https://vimeo.com/295597446>

<https://vimeo.com/352956348>

<https://www.youtube.com/watch?v=4ynFRKWDDZk>

<https://www.youtube.com/watch?v=FoxcXAls-S8&feature=youtu.be>

## 541613 Marketing Consulting Services

*Services include providing operating advice and assistance on marketing issues, such as developing marketing objectives and policies, sales forecasting, marketing planning and strategy, and development of multi-media campaigns.*

*Services relating to providing assistance with challenges, contests, and competitions, such as providing marketing and advertising support; assistance with conducting the challenge/contest/competition; facilitating events; and supporting the judging of events are included. The challenge/contest/competition may be to identify a solution to a particular problem or to accomplish a particular goal.*

*Prizes or other incentives may be offered by customers to find innovative or cost-effective solutions to improving open government. Solutions may be ideas, designs, proofs of concept, or finished products.*

Communications and marketing campaigns for federal agencies and projects require innovation, expertise, and a basis in evidence. RTI International's team of communication scientists and strategists researches, designs, and delivers campaigns focused on a variety of outcomes, including raising awareness; changing attitudes, beliefs, and behaviors; and supporting informed decisions.

We set ourselves apart by not relying solely on being well-versed in the latest trends and best practices, but also by our formative research in behavior change theory, our expertise in social marketing principles, and our deep understanding of the audience. We identify and harness networks and tools to effectively and impactfully reach, engage, and motivate priority audiences to act. For every campaign, we design a tailored communication and marketing plan that leverages traditional and digital media and includes influential communication strategies and tactics, such as social media ad placement, email marketing, and influencer engagement. We then implement that plan through content development, content management, and multimedia production, including videos, blog posts, quizzes, and podcasts. We understand that once a campaign launches, being nimble is essential; therefore, we monitor the audience's reactions and behaviors through analytics and adapt our tactics accordingly.

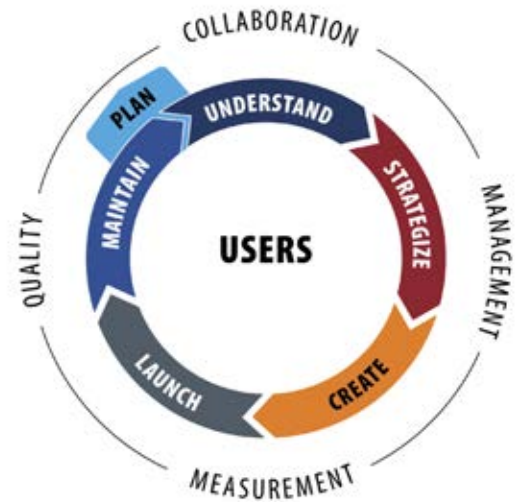
The RTI Digital Product Development Lifecycle leverages our time-tested, evidence-based framework that prioritizes the user throughout every stage of product development. This user-centered approach features benefits beyond increased ease of use, satisfaction, and trust in the product—it also results in fewer user errors and eliminates expensive rework. We created the framework to be flexible and iterative, and it guides our development of digital products regardless of their type or complexity.

### Why RTI?

- Multidisciplinary team with broad expertise across the communication continuum
- Track record of developing evidence-based solutions with measurable impact
- Expertise in audience analysis and segmentation, message testing, and evaluation of communication

## Capabilities

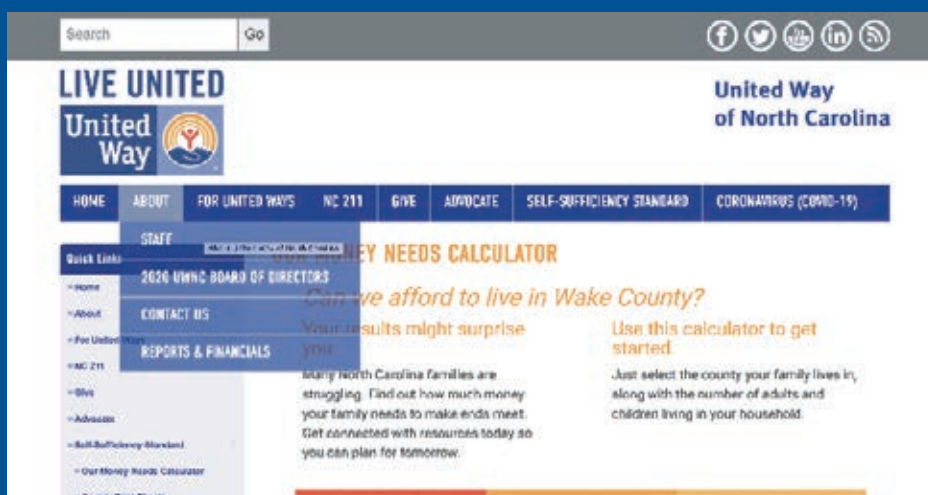
- Audience engagement and outreach
- Behavior change interventions
- Co-creation, rapid ideation, prototyping, and user testing
- Decision support tools
- Digital communication campaigns
- Digital data analytics
- Digital product development
- Evidence-based research
- Human-centered design
- Infographic and dashboard design
- Integrated marketing campaigns
- Placement of broadcast, print, digital, and social media
- Strategic communication campaigns
- Technology evaluation and recommendation
- Training and technical assistance



RTI Digital Product Lifecycle

## Practice Areas

- Education
- Energy and the Environment
- Financial Literacy
- Public Health and Health Care
- Social Justice



RTI translated a research report with more than 500,000 data points into the interactive and mobile-friendly Our Money Needs Calculator tool for the United Way of North Carolina, earning their 2018 Spirit of North Carolina Award.

The calculator helps families understand whether they earn enough money to make ends meet. This free, confidential tool also links people to tips and resources and is accompanied by the Let's Talk Money: A Family Guide tool, which encourages families to engage in routine "money talks."



To respond to the Zika outbreak in Puerto Rico, we developed **Stop Zika**, a comprehensive behavior change campaign to protect pregnant women from the virus.

Campaign messages highlight specific actions that target populations can take to stop the spread of Zika. To reach these key audiences, we used an integrated marketing approach involving broadcast, print, digital and social media, and community outreach.

Each week, public radio station WNCU broadcasts *The Measure of Everyday Life* podcast with support and staffing from RTI.

The show features interviews with researchers, practitioners, and journalists and highlights how research can improve many aspects of everyday life, from relationships to public health to education. Listeners in more than 80 countries around the globe have downloaded the episodes.



## Learn More

<https://www.rti.org/service-capability/digital-solutions-social-impact>  
<https://www.rti.org/centers/rti-center-communication-science>

## 541850 Exhibit Design and Advertising Services

*Services include conceptualizing, designing, and producing exhibits and their accompanying materials, providing and/or making recommendations for carpet and padding installation for exhibit property; preview, set-up and dismantling of exhibit property, cleaning, prepping, and storing exhibit property for future use, shipping exhibit property to and from designated site(s); and media illumination services.*

Should you need to create single exhibit, a workshop with 50 attendees, a large-scale conference for thousands, or a virtual event, RTI International can make it happen with detailed logistics, on-call service, and quality support that leave attendees remembering and sharing their positive experiences with colleagues.

Our team energizes the event experience with the latest communication technologies and design features—lighting, sound, audio, photo, video, and interactive media. RTI handles all aspects of event design, promotion, and implementation, including managing arrangements for exhibits, staffing, speakers, post-event reporting, and closeout activities. Additional examples include the following:

- Develop products that capture your audience's attention.
- Convey complex concepts with creative, easy-to-understand infographics and visualizations.
- Use design to make meaningful connections between your message and your audience.
- Develop and leverage brand identity across products to build recognition and influence perception.
- Offer artistic consultation to explore design options, trends, and techniques.
- Develop creative briefs to detail audience, message, objectives, and strategy.
- Ensure that images display at the ideal resolution for your medium and adhere to the appropriate copyright, licensing, and distribution guidelines.
- Navigate the production process to manage costs and ensure quality.

### Why RTI?

- In-house creative, video, and photography staff, allowing you to quickly start your project with limited outsourcing
- Experience with virtual and in-person conferences, providing flexibility in today's world
- Experience with scientific events, giving your promotion a custom look unique to your conference



## Capabilities

- Conference and exhibit management
- Custom, compelling interactive display graphics
- Development of collateral materials
- Logistics planning and rental coordination
- Pricing and negotiation
- Social media promotion
- Speaker recruitment
- Video and photography services
- Virtual conference planning and development

## Practice Areas

- Education
- Health
- International Development
- Surveys and Statistical Science



## Learn More

<https://www.rti.org/>

## 541910 Marketing Research and Analysis

*Services include customizing strategic marketing plans, branding initiatives, creating public awareness of products, services, and issues; targeting market identification and analysis, establishing measurable marketing objectives; determining market trends and conditions, identifying, and implementing appropriate strategies, conducting focus groups, telemarketing, individual interviews, preparing/distributing surveys, compiling/analyzing results, and establishing call centers.*

People are at the core of any project. They seek, share, and use information to make key life decisions.

RTI International studies human behavior, along with the many factors that influence it. We then apply our research and draw on behavior change theories and social marketing principles to design and deliver communication programs that capture attention, promote better decision-making, and motivate behavior change—and we do not stop there. We use advanced research methods to evaluate whether the communication was effective.

Our portfolio of past marketing campaigns includes public relations and media, digital communications and web-based marketing, creative production, and community outreach.

### Capabilities

- Audience segmentation
- Branding, creative, and content strategy
- Formative evaluations
- Formative research studies
- Insight gathering
- Media measurement and monitoring
- Message and materials development
- Pre-testing and pilot testing
- Process and outcome evaluation
- Randomized experiments
- Usability testing and prototyping
- Virtual reality solutions
- Web, app, and digital product development

### Practice Areas

- Education
- Energy and the Environment
- Financial Literacy
- Public Health and Health Care
- Social Justice

#### Why RTI?

- Multidisciplinary team with broad expertise across the communication continuum
- Track record of developing evidence-based solutions with measurable impact
- Expertise in audience analysis and segmentation, message testing, and communication evaluation





### Can comparisons made in direct-to-consumer prescription drug advertising influence consumers?

In an online study of 7,200 people featuring hypothetical drugs and realistic ads, RTI collaborated with the U.S. Food and Drug Administration to investigate how comparative claims about the efficacy and risk of prescription drugs can sometimes mislead consumers.

### Testing Makes Us Stronger

In the year before the Centers for Disease Control and Prevention implemented its Testing Makes Us Stronger campaign, the number of HIV tests administered to Black gay and bisexual men in the six implementation cities had decreased by nearly 35 per month.

After the campaign launch, RTI's evaluation found that the campaign had increased the number of tests by more than six per month, reversing the previous downward trend.



## Learn More

<https://www.rti.org/service-capability/digital-solutions-social-impact>  
<https://www.rti.org/centers/rti-center-communication-science>

# Information Technology Services

## 54151HEAL Health Information Technology Services

*The Information Technology Category Health IT Services SIN 54151HEAL includes professional services and/or professional labor categories that perform the following services:*

- Connected health;
- Electronic health records;
- Emerging research;
- Health analytics;
- Health informatics;
- Health information exchanges;
- Innovative solutions;
- Personal health information management; and
- Other health IT services.

The federal clients RTI serves have far-ranging health IT needs, including unlocking the potential of biomedical data, modernizing systems and leveraging technical innovation, promoting data modernization and FAIR data principles, and enabling health information exchange. As they seek to harness real-world data for evidence-based decision-making our clients also work to ensure health equity, prepare for pandemics, and manage public health emergencies.

RTI's nonprofit mission aligns with federal health agency priorities. As an independent nonprofit research institute, we are dedicated to improving the human condition by turning knowledge into practice. We bring a data governance perspective, addressing data standardization, harmonization, interoperability, security, access, and sustainability. Our fusion of IT expertise, broad technical capacity, technical innovation, and client-centered technical approach helps federal health agencies solve complex challenges.

RTI is a recognized leader in health data interoperability. We also work on emerging health IT challenges using tools such as machine learning, natural language processing, augmented reality, and virtual reality. Our deep bench and technical capacity enable us to support existing systems and integrate best-of-breed commercial and open-source technologies. Our 350+ statisticians, biostatisticians, and data scientists support research across laboratory/social sciences:

- Managing quality from sampling design to data collection and analysis to ensure quality, validity, and reliability of research results
- Answering complex research questions through quantitative, qualitative, and statistical analyses using leading statistical software, AI, and data visualization tools
- Integrating complex data sets by linking claims, electronic health records, social determinants of health, and biometric data

### Why RTI?

- Independent nonprofit research institute aligned with federal agency missions
- Unparalleled expertise across IT, biomedical research, health sciences, and health care domains
- A top-20 contractor for research services at key agencies such as NIH, FDA, CDC, SAMHSA, and CMS
- Successfully implemented over 3,000 projects for 21 HHS agencies and offices totaling more than \$9 billion

- Developing a wide range of biostatistical, synthetic population (RTI SynthPop™), and geospatial models of diseases and vaccination programs
- Organizing data to enable visualization, advanced analytic techniques, and easy access

## Capabilities

- Bioinformatics
- Computing
- Data security
- Fast Healthcare Interoperability Resources (FHIR) standards
- Health analytics
- Health data interoperability
- Health informatics
- Health information exchange
- Machine learning
- Mobile computing
- Modeling and decision support
- Wearables research



## Learn More

<https://www.rti.org/>

## 54151S Information Technology Professional Services

*MAS Information Technology's Special Item Number (SIN) 54151S for all IT Professional Services includes:*

- Cognitive computing;
- Conversion and implementation support;
- Database planning and design;
- Internet of Things (IoT);
- IT project management;
- Migration services (of all kinds);
- Network services;
- Programming;
- Resources and facilities management;
- Systems analysis, design, and implementation; and
- Other services relevant to 29 CFR 541.400.

Data modernization—improving the movement and use of data, enabled by technology, to support decision-making or effective mission implementation throughout the data lifecycle—is a critical priority for our federal clients.

RTI provides skilled staff and modern technologies to support our clients' efforts to effectively collect, manage, analyze, and disseminate data. We work with our clients, data scientists, statisticians, and other project team members to develop systems that turn data from diverse sources into useful, easily accessible information that helps improve performance, inform policymaking, and advance research. We combine computing and subject matter expertise, and we blend open-source and commercial software to create cost-effective tools that make information easy to find, see, and use.

The systems RTI designs offer data security based on National Institute of Standards and Technology (NIST) controls. We build interfaces that are Section 508 compliant, when required, to make both the data and the website accessible to people with disabilities. Our IT project managers are certified Project Management Professionals who work closely with project teams to manage all facets of IT and research projects from startup to closeout.



### Why RTI?

- Our 550 IT specialists hold more than 300 computer science and information system degrees and 180 IT certifications
- Our user experience and software engineers use open-source and commercial technology and a DevSecOps pipeline to create software solutions to meet federal/agency protocols
- RTI's Research Computing Division has been certified at ISO 9001 and appraised at Level 3 of the CMMI Institute's Capability Maturity Model Integration (CMMI) for development; our quality management system guarantees that our products and services meet or exceed our customers' needs and satisfy applicable statutory and regulatory requirements



### Substance Abuse and Mental Health Services Administration's (SAMHSA's) Performance Accountability and Reporting System (SPARS)

We modernized and integrated legacy systems in SAMHSA's GovCloud, supporting more than 20,000 users and deploying more than 100 software releases while achieving 99.9% uptime.

### National Institutes of Health's Environmental influences on Child Health Outcomes (ECHO) Data Analysis Center (DAC)

We have partnered with Johns Hopkins University to design and build FIPS Moderate hybrid cloud environments for biomedical research, including the ECHO Metadata Catalog and the ECHO Moderate Analytical Environment.



### RTI's Merge™

RTI's AI-driven research platform powers RTI COVID-19 Data Insights™, which combines synthetic population and other available data to support decision-making based on accurate, real-time community-level data.

## Capabilities

- AI-driven research platforms
- Business intelligence systems, data mining, and data visualization
- Cloud computing, strategy, and migration
- Data management, including validation, editing, analysis, and dissemination
- Database and data warehouse design and development
- Data modernization
- Data security
- DevOps
- High-performance computing
- Hosting
- Multi-mode survey data collection utilizing web, call center, multimedia, mobile technologies, and social media
- Project management
- Full stack software development
- System architecture, integration, and maintenance
- System requirements

## Learn More

<https://www.rti.org/>

# **Price List**

## **GS-00F-354CA—RTI International**

## Customer Information

- 1a. Table of Awarded Special Item Numbers (SINs) with appropriate cross-reference to item descriptions and awarded price(s):

SIN	Recovery	SIN Description
512110	512110RC	Video/Film Production
541330ENG	541330ENGRC	Engineering Services
541370GIS	541370GISRC	Geographic Information Systems (GIS) Services
541380	541380RC	Testing Laboratory Services
541420	541420RC	Engineering System Design and Integration Services
54151HEAL	54151HEALRC	Health Information Technology Services
54151S	54151SRC	Information Technology Professional Services
541611	541611RC	Management and Financial Consulting, Acquisition and Grants Management Support, and Business Program and Project Management Services
541613	541613RC	Marketing Consulting Services
541620	541620RC	Environmental Consulting Services
541715	541715RC	Engineering Research and Development and Strategic Planning
541810ODC	541810ODCRC	Other Direct Costs for Marketing and Public Relations Services
541850	541850RC	Exhibit Design and Advertising Services
541910	541910RC	Marketing Research and Analysis
611430	611430RC	Professional and Management Development Training
OLM	OLMRC/ OLMSTLOC	Order-Level Materials (OLMs)

- 1b. Identification of the lowest priced model number and lowest unit price for that model for each SIN 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 other 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. See pages 55 and 56.
- 1c. 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" ("N/A") for this item. See pages 53 and 54.
- Maximum order: SINs 512110, 541330ENG, 541370GIS, 541420, 541611, 541613, 541620, 541715, 541810ODC, 541850, 541910, and 611430 - \$1,000,000; SINs 54151HEAL and 54151S - \$500,000; SINs 541380 and OLM - \$250,000
  - Minimum order: \$100
  - Geographic coverage (delivery area): Worldwide
  - Point(s) of production (city, county, and state or foreign country): N/A
  - Discount from list prices or statement of net price: Government net prices (discounts already deducted)



## 7. Quantity discounts:

Tier	Threshold Amount	Additional Discount
1	\$500,000–\$999,999	1%
2	\$1,000,000–\$4,999,999	3%
3	\$5,000,000 and above	5%

8. Prompt payment terms: Net 30 Days  
“Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.”
9. Foreign items (list items by country of origin):  
None
- 10a. Time of delivery (Contractor insert number of days): Specified on the Task Order
- 10b. 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
- 10c. 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
- 10d. 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
11. Free On Board Point(s): Destination
- 12a. Ordering address(es): Same as Contractor
- 12b. Ordering procedures: See Federal Acquisition Regulation (FAR) 8.405-3.
13. Payment address(es): Same as company address
14. Warranty provision: Contractor’s standard commercial warranty
15. Export packing charges (if applicable): N/A
16. Terms and conditions of rental, maintenance, and repair (if applicable): N/A
17. Terms and conditions of installation (if applicable): N/A
- 18a. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable): N/A
- 18b. Terms and conditions for any other services (if applicable): N/A
19. List of service and distribution points (if applicable): N/A
20. List of participating dealers (if applicable): N/A
21. Preventive maintenance (if applicable): N/A
- 22a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants): N/A
- 22b. If applicable, indicate that Section 508 compliance information is available for the information and communications technology (ICT) products and services and show where full details can be found (e.g., contractor’s website or other location). ICT accessibility standards can be found at <https://www.Section508.gov/>.
23. Unique Entity Identifier (UEI) number: JJHCMK4NT5N3
24. Notification regarding registration in System for Award Management (SAM) database: Contractor registered and active in SAM

## Learn More

<https://www.rti.org/contact-us>  
[GSA@rti.org](mailto:GSA@rti.org)

## Price List

The rates shown below include the Industrial Funding Fee (IFF) of 0.75%.

Awarded Labor Category	Year 8 9/30/2022–9/29/2023	Year 9 9/30/2023–9/29/2024	Year 10 9/30/2024–9/29/2025
<b>Applicable to all awarded SINS</b>			
Senior Advisor	\$433.94	\$453.47	\$473.88
Principal Professional	\$395.08	\$412.86	\$431.44
Senior Professional 5	\$307.82	\$321.67	\$336.15
Senior Professional 4	\$273.16	\$285.45	\$298.30
Senior Professional 3	\$249.62	\$260.85	\$272.59
Senior Professional 2	\$220.31	\$230.22	\$240.58
Senior Professional 1	\$188.98	\$197.48	\$206.37
Professional 4	\$173.49	\$181.30	\$189.46
Professional 3	\$146.72	\$153.32	\$160.22
Professional 2	\$127.16	\$132.88	\$138.86
Professional 1	\$108.68	\$113.57	\$118.68
Associate Professional 5	\$112.50	\$117.56	\$122.85
Associate Professional 4	\$97.17	\$101.54	\$106.11
Associate Professional 3	\$82.75	\$86.47	\$90.36
Associate Professional 2	\$70.92	\$74.11	\$77.44
Associate Professional 1	\$61.20	\$63.95	\$66.83
Senior Project Specialist	\$158.80	\$165.95	\$173.42
Project Specialist	\$105.37	\$110.11	\$115.06
Professional Support 2	\$63.80	\$66.67	\$69.67
Professional Support 1	\$51.92	\$54.26	\$56.70
Interviewer	\$49.25	\$51.47	\$53.79
Principal Analytics/IT Professional 3	\$375.00	\$391.88	\$409.51
Principal Analytics/IT Professional 2	\$345.00	\$360.52	\$376.75
Principal Analytics/IT Professional 1	\$315.00	\$329.18	\$343.99
Senior Analytics/IT Professional 3	\$275.24	\$287.63	\$300.57
Senior Analytics/IT Professional 2	\$266.93	\$278.94	\$291.50
Senior Analytics/IT Professional 1	\$245.00	\$256.02	\$267.54
Analytics/IT Professional 3	\$217.02	\$226.79	\$237.00
Analytics/IT Professional 2	\$195.00	\$203.78	\$212.95
Analytics/IT Professional 1	\$176.55	\$184.49	\$192.80
Associate Analytics/IT Professional 3	\$165.00	\$172.42	\$180.18
Associate Analytics/IT Professional 2	\$145.00	\$151.53	\$158.35
Associate Analytics/IT Professional 1	\$121.23	\$126.69	\$132.39
Assistant Analytics/IT Professional 2	\$115.00	\$120.17	\$125.58
Assistant Analytics/IT Professional 1	\$105.00	\$109.72	\$114.66
Principal SPARC Professional 3	\$500.00	\$522.50	\$546.02
Principal SPARC Professional 2	\$450.00	\$470.25	\$491.41
Principal SPARC Professional 1	\$400.00	\$418.01	\$436.82
Senior SPARC Professional 3	\$350.00	\$365.75	\$382.22
Senior SPARC Professional 2	\$315.00	\$329.18	\$343.99

## Price List

The rates shown below include the Industrial Funding Fee (IFF) of 0.75%.

Awarded Labor Category	Year 8	Year 9	Year 10
	9/30/2022–9/29/2023	9/30/2023–9/29/2024	9/30/2024–9/29/2025
Senior SPARC Professional 1	\$285.00	\$297.82	\$311.22
SPARC Professional 3	\$260.00	\$271.70	\$283.92
SPARC Professional 2	\$240.00	\$250.80	\$262.09
SPARC Professional 1	\$220.00	\$229.90	\$240.25
Associate SPARC Professional 3	\$205.00	\$214.23	\$223.87
Associate SPARC Professional 2	\$190.00	\$198.55	\$207.49
Associate SPARC Professional 1	\$175.00	\$182.87	\$191.10
Assistant SPARC Professional 2	\$150.00	\$156.75	\$163.80
Assistant SPARC Professional 1	\$125.00	\$130.63	\$136.50

## Other Direct Costs (ODCs) 541810ODC

Support Product (ODCs)	Unit of Issue	Price
Copying	Copy	\$0.09
Telephone Calls	Minute	\$0.06
Postage / Shipping	Per shipment	FedEx Government Rates
<b>Meeting Costs Based on 150 People</b>		
Meeting Costs - Parking	Day	\$8.00
Meeting Costs - Room Rental	Up to 150 Persons	\$1,500.00
Meeting Costs - 4 Breakout Training Rooms	4 Rooms	\$2,000.00
Meeting Costs - Meals (breakfast, lunch, breaks)	Person	\$64.75
Meeting Costs - Service Charge (meals only)	Person	20%
Total Meeting Cost	Day	\$3,764.34
Focus Group Facility Rental	Day	\$1,200.00
Focus Group Moderator	Hour	\$204.00
Focus Group - Verbatim Transcription	Hour	\$25.00
Video Transcription	Session	\$1,755.00
<b>CD Duplication Pricing</b>		
CD Duplication - Black (7.50 [1-9] + 15.00 setup)	CD	\$22.50
CD Duplication - Full Color (\$8.50 [1-9] + \$35.00 setup)	CD	\$43.50
CD Duplication - Adhesive Color Label (\$8.50 [1-9] + \$35.00 setup)	CD	\$43.50
CD Duplication - 3" Mini/Business Card CD w/ Adhesive Label (\$8.50 [1-9] + \$15.00 setup)	CD	\$43.50
<b>Stock Packaging Options</b>		
CD Jewel Box w/ Tray	Unit	\$0.45
CD Jewel Box w/ Double-Hinged Tray	Unit	\$0.45
CD TrimPak	Unit	\$0.30
CD Slimline Jewel Box	Unit	\$0.30
CD C-Shell	Unit	\$0.30
CD Soft-Poly Case	Unit	\$0.30
CD Soft-Poly Case w/ Tray	Unit	\$0.30
Paper Envelope w/ Window	Unit	\$0.15
Tyvek Envelope w/ Window	Unit	\$0.20
3" Mini Clear Vinyl Sleeves	Unit	\$0.25
<b>Color Copy Inserts</b>		
Tray Card (4/0) – 1-sided, for tray (back side) of jewel box (\$0.40 + \$15.00 set up)	Unit	\$15.40
2-Panel Insert for Jewel Box (4/0) – 1-sided, front insert for jewel box (\$0.45 + \$15.00 setup)	Unit	\$15.45
4-Panel Insert for Jewel Box (4/0) – folded, 1-sided front insert for jewel box (\$0.45 + \$15.00 setup)	Unit	\$15.45
4-Panel Insert for Jewel Box (4/0) – folded, 2-sided front insert for jewel box (\$1.25 + \$15.00 setup)	Unit	\$16.25
Retail or Poly Case Wrap Image on 1 side only	Unit	\$15.60
Graphic Design Services (hourly rate for non-conforming artwork or requested services)	Hour	\$75.00

**Other Direct Costs (ODCs) 541810ODC** *(continued)*

<b>Support Product (ODCs)</b>	<b>Unit of Issue</b>	<b>Price</b>
<b>DVD Duplication Pricing</b>		
DVD Duplicating - Black	DVD	\$22.50
DVD Duplicating - Full Color	DVD	\$42.50
DVD Duplicating - Adhesive Color Label	DVD	\$42.50
DVD Retail Style Case	Unit	\$0.40
DVD C-Shell	Unit	\$0.30
DVD Jewel Box w/ DVD Logo Tray or Double-Hinged Tray	Unit	\$0.45
DVD TrimPak	Unit	\$0.30
DVD Slimline Jewel Box	Unit	\$0.30
DVD Soft-Poly Case or DVD Soft-Poly Case w/ Tray	Unit	\$0.30
Camera Operator	Day	\$400.00
Video Editor	Hour	\$40.00
<b>Replication w/ 4 Color Wallets</b>		
Replication w/ 4 Color Wallets (DVD) Minimum 300	Each DVD, Minimum 300	\$2.99
Replication w/ 4 Color Wallets (DVD) Minimum 500	Each DVD, Minimum 500	\$2.18
Replication w/ 4 Color Wallets (DVD) Minimum 1,000	Each DVD, Minimum 1,000	\$1.19
Replication w/ 4 Color Wallets (DVD) Minimum 5,000	Each DVD, Minimum 5,000	\$0.85
Replication w/ 4 Color Wallets (DVD) Minimum 10,000	Each DVD, Minimum 10,000	\$0.64
Replication w/ 4 Color Wallets (CD) Minimum 1,000	Each CD, Minimum 1,000	\$0.99
Replication w/ 4 Color Wallets (CD) Minimum 5,000	Each CD, Minimum 5,000	\$0.71
Replication w/ 4 Color Wallets (CD) Minimum 10,000	Each CD, Minimum 10,000	\$0.59
<b>Equipment Rental</b>		
Teleprompter Rental	Day	\$300.00
Camera Rental	Day	\$550.01
Edit System: Final Cut Studio HD Uncompressed	Day	\$350.01
Edit System: Nonlinear Custom - Photoshop	Day	\$50.01
Edit System: Nonlinear Custom - After Effects	Day	\$50.01
Edit System: Nonlinear VTR Upgrade #1 - PVW 2800	Day	\$50.01

## Service Contract Labor Standards (SCLS)

The labor categories that fall under the requirements of the SCLS (i.e., non-exempt labor categories) are identified in the SCLS Table that follows. The prices for these labor categories meet or exceed the requirements in the SCLS Wage Determinations identified below. The table and narrative are incorporated into this contract.

### Service Contract Labor Standards (SCLS) Matrix

SCLS Eligible Labor Category	SCLS Equivalent Code Title	Wage Determination Number
Administrative Support	01020 – Administrative Assistant	2015-4393
Interviewer	01420 – Survey Worker	2015-4393
Word Processor	01613 – Word Processor III	2015-4393

The Service Contract Labor Standards (SCLS) apply to this contract and include the applicable SCLS labor categories. Labor categories and fixed-price services marked with two asterisks (\*\*) in this price list are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCLS matrix. The prices awarded are in line with the geographic scope of the contract (i.e., nationwide).

## Order-Level Materials (OLMs)

OLMs are supplies and/or services acquired in direct support of an individual task or delivery order placed against a Federal Supply Schedule (FSS) contract or FSS Blanket Purchase Agreement (BPA). OLMs are not defined, priced, or awarded at the FSS contract level. They are unknown before a task or delivery order is placed against the FSS contract or FSS BPA. OLMs are only authorized for inclusion at the order level under a Time-and-Materials (T&M) or Labor-Hour (LH) Contract Line Item Number (CLIN) and are subject to a Not-to-Exceed ceiling price. OLMs include direct materials, subcontracts for supplies and incidental services for which there is not a labor category specified in the FSS contract, Other Direct Costs (ODCs) (separate from those under ODC SINs), and indirect costs. OLMs are purchased under the authority of the FSS Program and are not “open-market items.” Items awarded under ancillary supplies/services or ODC SINs are not OLMs. These items are defined, priced, and awarded at the FSS contract level, whereas OLMs are unknown before an order is placed. Ancillary supplies/services and ODC SINs are for use under all order-type CLINs (Fixed-Price [FP], T&M, and LH), whereas the OLMs SIN is only authorized for use under T&M- and LH-order CLINs.

The OLMs SIN is only authorized for use in direct support of another awarded SIN. Price analysis for OLMs is not conducted when awarding the FSS contract or FSS BPA; therefore, General Services Administration Acquisition Regulations (GSARs) 538.270 and 538.271 do not apply to OLMs. OLMs are defined and priced at the ordering activity level in accordance with GSAR Clauses–552.282 Special Ordering Procedures for the Acquisition of Order-Level Materials. Prices for items provided under the OLMs SIN must be inclusive of the Industrial Funding Fee (IFF). The value of OLMs in a task or delivery order, or the cumulative value of OLMs in orders against an FSS BPA awarded under an FSS contract, cannot exceed 33.33%.

## Labor Category Descriptions

Labor Category	Description	Key Words	Minimum Education	Minimum Years of Experience
Senior Advisor	Provides technical advice and counsel to other professionals, especially on the most complex tasks. Has advanced-level knowledge of the broad scope of scientific research and the ability to create and apply new and unique methods and procedures to address project needs.	Research, technical, advanced, counsel	PhD	16
Principal Professional	Provides technical knowledge, analysis and advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation. Develops or directs the development of innovative and creative technical solutions to problems, questions, and issues, using or extending state-of-the-art methods and technology. Results of work are considered technically authoritative. Possesses in-depth knowledge of a particular area, such as business, computer science, engineering, mathematics, applicable federal policies, regulations and standards, or the various sciences. May be considered a national expert in field of expertise. Assumes increasing levels of responsibility for larger work groups on projects of greater complexity.	Research, technical, analyses, innovative, expert	PhD	14
Senior Professional 5	Subject Matter Expert in a research or scientific field in the Professional Services industry. May also be considered a functional expert depending on the research or scientific area. Performs research of significant technical complexity, applying standard and established theories, concepts, and techniques, but often using innovative approaches and/or complex statistical analyses; develop or direct the development of innovative and creative technical solutions to research problems, questions, and issues, using or extending state-of-the-art methods and technology; direct development of timely project reports that are organized, clear, and in the proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative. This category has increased experience from Senior Professional 4 and is often filled with senior executive level staff.	Expert, research, scientific, senior, executive	PhD	12
Senior Professional 4	Subject Matter Expert in a research or scientific field in the Professional Services industry. May also be considered a functional expert depending on the research or scientific area. Performs research of significant technical complexity, applying standard and established theories, concepts, and techniques, but often using innovative approaches and/or complex statistical analyses; develop or direct the development of innovative and creative technical solutions to research problems, questions, and issues, using or extending state-of-the-art methods and technology; direct development of timely project reports that are organized, clear, and in the proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative. This category has increased experience from Senior Professional 3 and is sometimes filled with senior executive level staff.	Expert, research, scientific, senior, executive	PhD	10
Senior Professional 3	Subject Matter Expert in a research or scientific field in the Professional Services industry. May also be considered a functional expert depending on the research or scientific area. Performs research of significant technical complexity, applying standard and established theories, concepts, and techniques, but often using innovative approaches and/or complex statistical analyses; develop or direct the development of innovative and creative technical solutions to research problems, questions, and issues, using or extending state-of-the-art methods and technology; direct development of timely project reports that are organized, clear, and in the proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative. This category has increased experience from Senior Professional 2 and is sometimes filled with executive or director level staff.	Expert, research, scientific, executive, director	PhD	8

## Labor Category Descriptions *(continued)*

Labor Category	Description	Key Words	Minimum Education	Minimum Years of Experience
Senior Professional 2	Senior leader or expert in a research or scientific field in the Professional Services industry. Performs research of significant technical complexity, applying standard and established theories, concepts, and techniques, but often using innovative approaches and/or complex statistical analyses; develop or direct the development of innovative and creative technical solutions to research problems, questions, and issues, using or extending state-of-the-art methods and technology; direct development of timely project reports that are organized, clear, and in the proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative. This category has increased experience from Senior Professional 1 and is sometimes filled with director or manager level staff.	Senior, research, scientific, director, manager	PhD	6
Senior Professional 1	Senior leader or expert in a research or scientific field in the Professional Services industry. Performs research of significant technical complexity, applying standard and established theories, concepts, and techniques, but often using innovative approaches and/or complex statistical analyses; develop or direct the development of innovative and creative technical solutions to research problems, questions, and issues, using or extending state-of-the-art methods and technology; direct development of timely project reports that are organized, clear, and in the proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative. This category is sometimes filled with manager level staff.	Senior, leader, research, scientific, manager	PhD	4
Professional 4	Experienced project or task leader in a research or scientific field in the Professional Services industry. Perform research tasks of intermediate technical complexity, applying standard and established theories, concepts, and techniques, but often using innovative approaches and/or complex statistical analyses; develop or direct the development of innovative and creative technical solutions to research problems, questions, and issues, using or extending state-of-the-art methods and technology; direct development of timely project reports that are organized, clear, and in the proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative. This category has increased experience and/or education from Professional 3.	Experienced, leader, intermediate, research, scientific	MA/MS	8
Professional 3	Experienced project or task leader in a research or scientific field in the Professional Services industry. Perform research tasks of intermediate technical complexity, applying standard and established theories, concepts, and techniques, but often using innovative approaches and/or complex statistical analyses; develop or direct the development of innovative and creative technical solutions to research problems, questions, and issues, using or extending state-of-the-art methods and technology; direct development of timely project reports that are organized, clear, and in the proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative. This category has increased experience and/or education from Professional 2.	Experienced, leader, intermediate, research, scientific	MA/MS	6
Professional 2	Experienced project or task leader in a research or scientific field in the Professional Services industry. Perform research tasks of intermediate technical complexity, applying standard and established theories, concepts, and techniques, but often using innovative approaches and/or complex statistical analyses; develop or direct the development of innovative and creative technical solutions to research problems, questions, and issues, using or extending state-of-the-art methods and technology; direct development of timely project reports that are organized, clear, and in the proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative. This category has increased experience and/or education from Professional 1.	Experienced, leader, intermediate, research, scientific	MA/MS	3

## Labor Category Descriptions *(continued)*

Labor Category	Description	Key Words	Minimum Education	Minimum Years of Experience
Professional 1	Experienced project or task leader in a research or scientific field in the Professional Services industry. Perform research tasks of intermediate technical complexity, applying standard and established theories, concepts, and techniques, but often using innovative approaches and/or complex statistical analyses; develop or direct the development of innovative and creative technical solutions to research problems, questions, and issues, using or extending state-of-the-art methods and technology; direct development of timely project reports that are organized, clear, and in the proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative.	Experienced, leader, intermediate, research, scientific	MA/MS	1
Associate Professional 5	Midlevel professional who works closely with the project or task leader in a specialized research or scientific field in the Professional Services industry. Perform research tasks of some technical complexity, applying standard and established theories, concepts, and techniques but often using innovative approaches and/or complex statistical analyses; develop or direct the development of innovative and creative technical solutions to research problems, questions, and issues, using or extending state-of-the-art methods and technology; direct development of timely project reports that demonstrate organization, clarity, and proper format. Work is performed with minimal supervision and guidance. Results of work are often considered technically authoritative.	Midlevel, professional, specialized, research, scientific	BA/BS	4
Associate Professional 4	Midlevel professional who works closely with the project or task leader in a specialized research or scientific field in the Professional Services industry. Perform research tasks of some technical complexity, applying standard and established theories, concepts, and techniques but often using innovative approaches and/or complex statistical analyses; develop or direct the development of innovative and creative technical solutions to research problems, questions, and issues, using or extending state-of-the-art methods and technology; direct development of timely project reports that demonstrate organization, clarity, and proper format. Work is performed with minimal supervision and guidance. Results of work are often reviewed by peers to confirm accuracy.	Midlevel, professional, specialized, research, scientific	BA/BS	2
Associate Professional 3	Junior professional who works closely with the project or task leader in a specialized research or scientific field in the Professional Services industry. Perform research tasks of some technical complexity, applying standard and established theories, concepts, and techniques but often using innovative approaches and/or complex statistical analyses; develop or direct the development of innovative and creative technical solutions to research problems, questions, and issues, using or extending state-of-the-art methods and technology; direct development of timely project reports that demonstrate organization, clarity, and proper format. Work is performed with minimal supervision and guidance. Results of work are often reviewed by peers to confirm accuracy.	Junior, professional, specialized, research, scientific	BA/BS	0
Associate Professional 2	Junior professional who works closely with the project or task leader in a specialized research or scientific field in the Professional Services industry. Perform research tasks of some technical complexity, applying standard and established theories, concepts, and techniques but often using innovative approaches and/or complex statistical analyses; develop or direct the development of innovative and creative technical solutions to research problems, questions, and issues, using or extending state-of-the-art methods and technology; direct development of timely project reports that demonstrate organization, clarity, and proper format. Work is performed with moderate supervision and guidance. Results of work are often reviewed by peers to confirm accuracy.	Junior, professional, specialized, research, scientific	HS	4
Associate Professional 1	Early career professional who works closely with the project or task leader in a specialized research or scientific field in the Professional Services industry. Perform research tasks of some technical complexity, applying standard and established theories, concepts, and techniques but often using innovative approaches and/or complex statistical analyses; develop or direct the development of innovative and creative technical solutions to research problems, questions, and issues, using or extending state-of-the-art methods and technology; direct development of timely project reports that demonstrate organization, clarity, and proper format. Work is performed with moderate supervision and guidance. Results of work are often reviewed by peers to confirm accuracy.	Early, professional, specialized, research, scientific	HS	2

Labor Category Descriptions *(continued)*

Labor Category	Description	Key Words	Minimum Education	Minimum Years of Experience
Senior Project Specialist	Experienced professional who works closely with the project manager through the lifecycle of the project on a range of operational, technical, and financial matters. Performs complex evaluations of existing procedures, processes, techniques, models, and/or systems related to management problems or contractual issues which would require a report and recommends solutions. Responsible for maintaining project information such as Gantt charts and financial data, double-checking invoices, and overseeing the monthly project financial reports to ensure the project remains within budget. Gathers estimates from project staff, and prepares management and customer reports for review and approval. Works independently and consistently to meet project deadlines.	Technical, financial, systems, management, complex	BA/BS	4
Project Specialist	Assists the project manager on a range of financial matters. Responsible for maintaining project information such as Gantt charts and financial data, double-checking invoices, and overseeing the monthly project financial reports to ensure the project remains within budget. Gathers estimates from project staff, and prepares management and customer reports for review and approval. Works independently and consistently to meet project deadlines.	Financial, management, reporting	BA/BS	0
Professional Support 2	Demonstrated experience supporting various research, operations, and management tasks, applying standard and established techniques. Project manager supervises all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	Experience, research, operations, management	HS	2
Professional Support 1	Supports various research, operations, and management tasks, applying standard and established techniques. Project manager supervises all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	Supports, research, operations, management	HS	0
Interviewer*	Conducts interviews with survey respondents.	Interviews, survey, respondents	HS	0
Principal Analytics/IT Professional 3	Provides analytics and/or information technology-focused services typically requiring advanced technical knowledge, often providing supervision for earlier career researchers. Project roles and duties may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. Focus areas/disciplines may include but are not limited to: data science; statistics; psychometrics; survey methodology; cybersecurity; computer science/engineering; economics, data governance; human-centered design; or related focus areas/disciplines. May be considered a recognized expert in their focus areas/disciplines.	IT, data, analytics, informatics, expert	MA/MS	14
Principal Analytics/IT Professional 2	Provides analytics and/or information technology-focused services typically requiring advanced technical knowledge, often providing supervision for earlier career researchers. Project roles and duties may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. Focus areas/disciplines may include but are not limited to: data science; statistics; psychometrics; survey methodology; cybersecurity; computer science/engineering; economics, data governance; human-centered design; or related focus areas/disciplines. May be considered a recognized expert in their focus areas/disciplines.	IT, data, analytics, informatics, expert	MA/MS	12

Labor Category Descriptions *(continued)*

Labor Category	Description	Key Words	Minimum Education	Minimum Years of Experience
Principal Analytics/IT Professional 1	Provides analytics and/or information technology-focused services typically requiring advanced technical knowledge, often providing supervision for earlier career researchers. Project roles and duties may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. Focus areas/disciplines may include but are not limited to: data science; statistics; psychometrics; survey methodology; cybersecurity; computer science/engineering; economics, data governance; human-centered design; or related focus areas/disciplines. May be considered a recognized expert in their focus areas/disciplines.	IT, data, analytics, informatics, expert	MA/MS	10
Senior Analytics/IT Professional 3	Provides analytics and/or information technology-focused services typically requiring advanced technical knowledge, often providing supervision for earlier career researchers. Project roles and duties may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. Focus areas/disciplines may include but are not limited to: data science; statistics; psychometrics; survey methodology; cybersecurity; computer science/engineering; economics, data governance; human-centered design; or related focus areas/disciplines.	IT, data, analytics, informatics	MA/MS	8
Senior Analytics/IT Professional 2	Provides analytics and/or information technology-focused services typically requiring advanced technical knowledge, often providing supervision for earlier career researchers. Project roles and duties may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. Focus areas/disciplines may include but are not limited to: data science; statistics; psychometrics; survey methodology; cybersecurity; computer science/engineering; economics, data governance; human-centered design; or related focus areas/disciplines.	IT, data, analytics, informatics	MA/MS	6
Senior Analytics/IT Professional 1	Provides analytics and/or information technology-focused services typically requiring advanced technical knowledge, often providing supervision for earlier career researchers. Project roles and duties may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. Focus areas/disciplines may include but are not limited to: data science; statistics; psychometrics; survey methodology; cybersecurity; computer science/engineering; economics, data governance; human-centered design; or related focus areas/disciplines.	IT, data, analytics, informatics	MA/MS	4
Analytics/IT Professional 3	Provides analytics and/or information technology-focused services typically requiring advanced technical knowledge, often providing supervision for earlier career researchers. Project roles and duties may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. Focus areas/disciplines may include but are not limited to: data science; statistics; psychometrics; survey methodology; cybersecurity; computer science/engineering; economics, data governance; human-centered design; or related focus areas/disciplines.	IT, data, analytics, informatics	MA/MS	3

Labor Category Descriptions *(continued)*

Labor Category	Description	Key Words	Minimum Education	Minimum Years of Experience
Analytics/IT Professional 2	Provides analytics and/or information technology-focused services typically requiring advanced technical knowledge, often providing supervision for earlier career researchers. Project roles and duties may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. Focus areas/disciplines may include but are not limited to: data science; statistics; psychometrics; survey methodology; cybersecurity; computer science/engineering; economics, data governance; human-centered design; or related focus areas/disciplines.	IT, data, analytics, informatics	MA/MS	2
Analytics/IT Professional 1	Provides analytics and/or information technology-focused services typically requiring advanced technical knowledge, often providing supervision for earlier career researchers. Project roles and duties may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. Focus areas/disciplines may include but are not limited to: data science; statistics; psychometrics; survey methodology; cybersecurity; computer science/engineering; economics, data governance; human-centered design; or related focus areas/disciplines.	IT, data, analytics, informatics	MA/MS	1
Associate Analytics/IT Professional 3	Provides analytics and/or information technology-focused services typically requiring advanced technical knowledge, often providing supervision for earlier career researchers. Project roles and duties may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. Focus areas/disciplines may include but are not limited to: data science; statistics; psychometrics; survey methodology; cybersecurity; computer science/engineering; economics, data governance; human-centered design; or related focus areas/disciplines.	IT, data, analytics, informatics	BA/BS	2
Associate Analytics/IT Professional 2	Provides analytics and/or information technology-focused services typically requiring advanced technical knowledge, often providing supervision for earlier career researchers. Project roles and duties may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. Focus areas/disciplines may include but are not limited to: data science; statistics; psychometrics; survey methodology; cybersecurity; computer science/engineering; economics, data governance; human-centered design; or related focus areas/disciplines.	IT, data, analytics, informatics	BA/BS	1
Associate Analytics/IT Professional 1	Provides analytics and/or information technology-focused services typically requiring advanced technical knowledge, often providing supervision for earlier career researchers. Project roles and duties may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. Focus areas/disciplines may include but are not limited to: data science; statistics; psychometrics; survey methodology; cybersecurity; computer science/engineering; economics, data governance; human-centered design; or related focus areas/disciplines.	IT, data, analytics, informatics	BA/BS	0

Labor Category Descriptions *(continued)*

Labor Category	Description	Key Words	Minimum Education	Minimum Years of Experience
Assistant Analytics/IT Professional 2	Provides analytics and/or information technology-focused services typically requiring advanced technical knowledge, often providing supervision for earlier career researchers. Project roles and duties may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. Focus areas/disciplines may include but are not limited to: data science; statistics; psychometrics; survey methodology; cybersecurity; computer science/engineering; economics, data governance; human-centered design; or related focus areas/disciplines.	IT, data, analytics, informatics	AA/AS	0
Assistant Analytics/IT Professional 1	Provides analytics and/or information technology-focused services typically requiring advanced technical knowledge, often providing supervision for earlier career researchers. Project roles and duties may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. Focus areas/disciplines may include but are not limited to: data science; statistics; psychometrics; survey methodology; cybersecurity; computer science/engineering; economics, data governance; human-centered design; or related focus areas/disciplines.	IT, data, analytics, informatics	HS	1
Principal SPARC Professional 3	Provides strategy, planning, advisory, R&D, and innovation consulting services requiring advanced technical knowledge, often providing supervision for earlier career researchers. Responsibilities may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. May include but are not limited to: management consulting; strategic planning and foresight; organizational capacity building; technology scouting, monitoring, and landscaping; commercialization and transition planning; technical market research; life science and engineering services specializing on energy, environment and health; high-throughput and other clinical analysis, modeling and characterizations; regulatory consulting; feasibility studies or related focus areas/disciplines. May be considered a recognized expert in their focus areas/disciplines.	Strategy, planning, advisory, research, development, innovation, consultant, expert	MA/MS	20
Principal SPARC Professional 2	Provides strategy, planning, advisory, R&D, and innovation consulting services requiring advanced technical knowledge, often providing supervision for earlier career researchers. Responsibilities may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. May include but are not limited to: management consulting; strategic planning and foresight; organizational capacity building; technology scouting, monitoring, and landscaping; commercialization and transition planning; technical market research; life science and engineering services specializing on energy, environment and health; high-throughput and other clinical analysis, modeling and characterizations; regulatory consulting; feasibility studies or related focus areas/disciplines. May be considered a recognized expert in their focus areas/disciplines.	Strategy, planning, advisory, research, development, innovation, consultant, expert	MA/MS	18
Principal SPARC Professional 1	Provides strategy, planning, advisory, R&D, and innovation consulting services requiring advanced technical knowledge, often providing supervision for earlier career researchers. Responsibilities may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. May include but are not limited to: management consulting; strategic planning and foresight; organizational capacity building; technology scouting, monitoring, and landscaping; commercialization and transition planning; technical market research; life science and engineering services specializing on energy, environment and health; high-throughput and other clinical analysis, modeling and characterizations; regulatory consulting; feasibility studies or related focus areas/disciplines. May be considered a recognized expert in their focus areas/disciplines.	Strategy, planning, advisory, research, development, innovation, consultant, expert	MA/MS	16

## Labor Category Descriptions *(continued)*

Labor Category	Description	Key Words	Minimum Education	Minimum Years of Experience
Senior SPARC Professional 3	Provides strategy, planning, advisory, R&D, and innovation consulting services requiring advanced technical knowledge, often providing supervision for earlier career researchers. Responsibilities may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. May include but are not limited to: management consulting; strategic planning and foresight; organizational capacity building; technology scouting, monitoring, and landscaping; commercialization and transition planning; technical market research; life science and engineering services specializing on energy, environment and health; high-throughput and other clinical analysis, modeling and characterizations; regulatory consulting; feasibility studies or related focus areas/disciplines.	Strategy, planning, advisory, research, development, innovation, consultant, senior, executive	MA/MS	14
Senior SPARC Professional 2	Provides strategy, planning, advisory, R&D, and innovation consulting services requiring advanced technical knowledge, often providing supervision for earlier career researchers. Responsibilities may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. May include but are not limited to: management consulting; strategic planning and foresight; organizational capacity building; technology scouting, monitoring, and landscaping; commercialization and transition planning; technical market research; life science and engineering services specializing on energy, environment and health; high-throughput and other clinical analysis, modeling and characterizations; regulatory consulting; feasibility studies or related focus areas/disciplines.	Strategy, planning, advisory, research, development, innovation, consultant, senior, director	MA/MS	12
Senior SPARC Professional 1	Provides strategy, planning, advisory, R&D, and innovation consulting services requiring advanced technical knowledge, often providing supervision for earlier career researchers. Responsibilities may include but are not limited to: designing technical solutions; leading project teams; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete complex tasks and/or deliverables. May include but are not limited to: management consulting; strategic planning and foresight; organizational capacity building; technology scouting, monitoring, and landscaping; commercialization and transition planning; technical market research; life science and engineering services specializing on energy, environment and health; high-throughput and other clinical analysis, modeling and characterizations; regulatory consulting; feasibility studies or related focus areas/disciplines.	Strategy, planning, advisory, research, development, innovation, consultant, senior, manager, leader	MA/MS	10
SPARC Professional 3	Provides strategy, planning, advisory, R&D, and innovation consulting services requiring moderate technical knowledge with little supervision from project leaders and/or more experienced researchers. Responsibilities may include but are not limited to: supervising earlier career colleagues; implementing technical solutions; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete tasks and/or deliverables. May include but are not limited to: management consulting; strategic planning and foresight; organizational capacity building; technology scouting, monitoring, and landscaping; commercialization and transition planning; technical market research; life science and engineering services specializing on energy, environment and health; high-throughput and other clinical analysis, modeling and characterizations; regulatory consulting; feasibility studies or related focus areas/disciplines.	Strategy, planning, advisory, research, development, innovation, consultant, experienced, intermediate	BA/BS	10

Labor Category Descriptions *(continued)*

Labor Category	Description	Key Words	Minimum Education	Minimum Years of Experience
SPARC Professional 2	Provides strategy, planning, advisory, R&D, and innovation consulting services requiring moderate technical knowledge with little supervision from project leaders and/or more experienced researchers. Responsibilities may include but are not limited to: supervising earlier career colleagues; implementing technical solutions; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete tasks and/or deliverables. May include but are not limited to: management consulting; strategic planning and foresight; organizational capacity building; technology scouting, monitoring, and landscaping; commercialization and transition planning; technical market research; life science and engineering services specializing on energy, environment and health; high-throughput and other clinical analysis, modeling and characterizations; regulatory consulting; feasibility studies or related focus areas/disciplines.	Strategy, planning, advisory, research, development, innovation, consultant, experienced, intermediate	BA/BS	8
SPARC Professional 1	Provides strategy, planning, advisory, R&D, and innovation consulting services requiring moderate technical knowledge with little supervision from project leaders and/or more experienced researchers. Responsibilities may include but are not limited to: supervising earlier career colleagues; implementing technical solutions; analyzing, interpreting, and synthesizing results from collected data; and applying standard and innovative research methods and concepts to complete tasks and/or deliverables. May include but are not limited to: management consulting; strategic planning and foresight; organizational capacity building; technology scouting, monitoring, and landscaping; commercialization and transition planning; technical market research; life science and engineering services specializing on energy, environment and health; high-throughput and other clinical analysis, modeling and characterizations; regulatory consulting; feasibility studies or related focus areas/disciplines.	Strategy, planning, advisory, research, development, innovation, consultant, experienced, intermediate	BA/BS	6
Associate SPARC Professional 3	Provides strategy, planning, advisory, R&D, and innovation consulting services requiring some basic technical knowledge with supervision from project leaders and/or more experienced researchers. Responsibilities may include but are not limited to: performing technical solutions; analyzing, interpreting, and synthesizing results from collected data; and applying standard research methods and concepts to complete tasks and/or deliverables. May include but are not limited to: management consulting; strategic planning and foresight; organizational capacity building; technology scouting, monitoring, and landscaping; commercialization and transition planning; technical market research; life science and engineering services specializing on energy, environment and health; high-throughput and other clinical analysis, modeling and characterizations; regulatory consulting; feasibility studies or related focus areas/disciplines.	Strategy, planning, advisory, research, development, innovation, consultant, specialized, midlevel	BA/BS	4
Associate SPARC Professional 2	Provides strategy, planning, advisory, R&D, and innovation consulting services requiring some basic technical knowledge with supervision from project leaders and/or more experienced researchers. Responsibilities may include but are not limited to: performing technical solutions; analyzing, interpreting, and synthesizing results from collected data; and applying standard research methods and concepts to complete tasks and/or deliverables. May include but are not limited to: management consulting; strategic planning and foresight; organizational capacity building; technology scouting, monitoring, and landscaping; commercialization and transition planning; technical market research; life science and engineering services specializing on energy, environment and health; high-throughput and other clinical analysis, modeling and characterizations; regulatory consulting; feasibility studies or related focus areas/disciplines.	Strategy, planning, advisory, research, development, innovation, consultant, specialized, midlevel	BA/BS	2

## Labor Category Descriptions *(continued)*

Labor Category	Description	Key Words	Minimum Education	Minimum Years of Experience
Associate SPARC Professional 1	Provides strategy, planning, advisory, R&D, and innovation consulting services requiring some basic technical knowledge with supervision from project leaders and/or more experienced researchers. Responsibilities may include but are not limited to: performing technical solutions; analyzing, interpreting, and synthesizing results from collected data; and applying standard research methods and concepts to complete tasks and/or deliverables. May include but are not limited to: management consulting; strategic planning and foresight; organizational capacity building; technology scouting, monitoring, and landscaping; commercialization and transition planning; technical market research; life science and engineering services specializing on energy, environment and health; high-throughput and other clinical analysis, modeling and characterizations; regulatory consulting; feasibility studies or related focus areas/disciplines.	Strategy, planning, advisory, research, development, innovation, consultant, specialized, junior	BA/BS	0
Assistant SPARC Professional 2	Provides strategy, planning, advisory, R&D, and innovation consulting services requiring limited technical knowledge with supervision from project leaders and/or more experienced researchers. Responsibilities may include but are not limited to: aiding project teams with literature reviews; collecting data for analyses; and applying basic research methods and concepts to complete tasks and/or deliverables. May include but are not limited to: management consulting; strategic planning and foresight; organizational capacity building; technology scouting, monitoring, and landscaping; commercialization and transition planning; technical market research; life science and engineering services specializing on energy, environment and health; high-throughput and other clinical analysis, modeling and characterizations; regulatory consulting; feasibility studies or related focus areas/disciplines.	Strategy, planning, advisory, research, development, innovation, consultant, entry	AA/AS	0
Assistant SPARC Professional 1	Provides strategy, planning, advisory, R&D, and innovation consulting services requiring limited technical knowledge with supervision from project leaders and/or more experienced researchers. Responsibilities may include but are not limited to: aiding project teams with literature reviews; collecting data for analyses; and applying basic research methods and concepts to complete tasks and/or deliverables. May include but are not limited to: management consulting; strategic planning and foresight; organizational capacity building; technology scouting, monitoring, and landscaping; commercialization and transition planning; technical market research; life science and engineering services specializing on energy, environment and health; high-throughput and other clinical analysis, modeling and characterizations; regulatory consulting; feasibility studies or related focus areas/disciplines.	Strategy, planning, advisory, research, development, innovation, consultant, entry	HS	1

\*SCLS applicable labor categories include the following: Interviewer (SCLS 01420).

### Notes

Table 1 details examples of RTI's education and experience substitutions. Alternative educational attainments are also relevant and may include but are not limited to educational certificate awards, certifications, and licenses, which RTI has defined in Table 2 based on the *Working Definitions of Non-Degree Credentials* by the Interagency Working Group on Expanded Measures of Enrollment and Attainment. The duration of educational certificates, certifications, and licenses varies; however, RTI has provided assumptions in Table 2 for experience substitutions.

**Table 1: Education/Experience Substitution Equivalencies**

Education Attainment	Examples	Experience Substitutions
High School Diploma/GED		<ul style="list-style-type: none"> <li>None</li> </ul>
Associates	AA, AS	<ul style="list-style-type: none"> <li>High School Diploma or GED plus 2 years of experience</li> </ul>
Bachelors	BA, BS	<ul style="list-style-type: none"> <li>High School Diploma or GED plus 4 years of experience OR</li> <li>Associate's Degree plus 2 years of experience</li> </ul>
Masters	MA, MS	<ul style="list-style-type: none"> <li>High School Diploma or GED plus 6 years of experience OR</li> <li>Associate's Degree plus 4 years of experience OR</li> <li>Bachelor's Degree plus 2 years of experience</li> </ul>
Doctorate	PhD, JD, MD	<ul style="list-style-type: none"> <li>High School Diploma or GED plus 10 years of experience OR</li> <li>Associate's Degree plus 8 years of experience OR</li> <li>Bachelor's Degree plus 6 years of experience OR</li> <li>Master's Degree plus 4 years of experience</li> </ul>

Table 2: Other Educational Attainments and Substitutions

Attainment	Definition	Example	Experience Substitutions
Educational Certificate	A credential awarded by an educational institution based on completion of all requirements for a program of study, including coursework and test or other performance evaluations. Certificates are typically awarded for life (like a degree). Certificates of attendance or participation in a short-term training (e.g., 1 day) are not in the definitional scope for educational certificates.	Certificate in Survey Research	0.5 years of experience per educational certificate award
Certification	A credential awarded by a certification body based on an individual demonstrating through an examination process that he or she has acquired the designated knowledge, skills, and abilities to perform a specific job. The examination can be either written, oral, or performance-based. Certification is a time-limited credential that is renewed through a recertification process.	Project Management Professional (PMP) Certification	2 years of experience per active certification
License	A credential awarded by a government agency that constitutes legal authority to do a specific job. Licenses are based on some combination of degree or certificate attainment, certifications, assessments, or work experience; are time-limited; and must be renewed periodically.	Teacher's License	2 years of experience per active license

For pricing purposes, RTI will use the following assumptions when applying substitutions on a per task order basis:

1. The Education/Experience Substitution Equivalencies and the Other Educational Attainments and Substitutions will apply to all RTI LCATs.
2. Education, experience, and other educational attainments may be substituted for each other.
3. Each year of experience may be substituted for 1 year of education and vice versa.
4. Successful completion of higher education that did not result in a degree may be counted as 1 year of experience for each year of college completed.
5. Educational certificates may be substituted for education and/or experience.
6. Active certifications and licenses may be substituted for education and/or experience.
7. Any skilled trade that requires a specific educational degree (e.g., Engineering) is exempt from the substitution methodology; trade-offs will not be accepted.

