Mission–Oriented Business Integrated Services (MOBIS)

RTI International

Web Site: http://www.rti.org/gsa
General Services Administration
Federal Supply Services
Mission-Oriented Business Integrated Services
Contract Number: GS-10F-0097L
Contract Period: 12/1/2000 to 11/30/2015

Company Information

Contractor:	Research Triangle Institute
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Business Size:	Large business
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Trade Name:	RTI International

Company Overview

RTI International is an independent, nonprofit institute that provides research, development, and technical services to government and commercial clients worldwide. Our mission is to improve the human condition by turning knowledge into practice. Our staff of more than 3,700 provides research and technical expertise to governments and businessesin more than 75 countries in the areas of health and pharmaceuticals, education and training, surveys and statistics, advanced technology, international development, economic and social policy, energy and the environment, and laboratory and chemistry services. Universities in North Carolina founded RTI in 1958 as the first scientific organization in, and the centerpiece of, the Research Triangle Park. Today, RTI serves clients in government, industry, academia, and public service throughout the United States and abroad.

Contents

Comprehensive Research Capabilities for Mission-Oriented Business Integrated Services

RTI International offers integrated consultation services and survey expertise across a broad range of scientific research activities, including health; international, economic, and social development; data capture and management; engineering; environment and natural resources; education and training; innovation; and research dissemination.

Health Research

Nowhere is RTI's goal of improving the human condition more apparent than in the field of health research. Representing the largest single area of study at RTI, health research spans everything from the human genome to global health education. Whether we are evaluating the economic benefits of new health coverage plans or finding novel drugs to treat cancer, RTI is working to enrich all aspects of human health. Our technical expertise in the health sciences can provide government agencies with critical consulting support for their mission-oriented business needs.

Building on our extensive research expertise, RTI forms multidisciplinary teams to assist our clients not just in meeting their own needs, but in improving the health of people around the world. Our staff are currently conducting research and consulting in the following areas:

- Communication and education
- Genetics, proteomics, and bioinformatics
- Global health
- Health and the environment
- Health behaviors and interventions
- Health care access
- Health economics research
- Health promotion research
- Regulatory economics and policy research
- Risk behavior and mental health research
- Special populations
- Substance abuse research
- Therapeutic outcomes and safety.

International, Economic, and Social Development

International Development

Since 1961, RTI has amassed considerable experience in building human and institutional capacity and promoting sustainable economic and social development throughout the world. We deliver consulting services, technical assistance, and decision support services, working closely with governments, nongovernmental organizations, and citizen groups in developing and democratizing countries

We offer a range of policy support, applied research and analysis, and other technical expertise in strategic planning, institutional development, performance management, information systems, and training. We deliver advisory and training services on the national, sub-national, and local government levels, emphasizing institutional development through the transfer of analytical tools and methods.

We are continuously looking for opportunities to apply a broad, multifaceted approach to developmental problems:

- Education policy and systems
- Environmental resource management
- Financial systems
- Governance and management
- Information and communication technology
- Policy presentation and dialogue.

Economic and Social Development

RTI conducts studies to support both government policy on technology research and development (R&D) and private R&D investment. We also provide economic analyses to support the informed development and evaluation of policies that promote sustainable management of natural resources and the environment.

Internationally, we apply economics and social development expertise to help government officials at the local, regional, and national levels pursue their goals for economic growth, sustainable development, improved public health, democracy and decentralization, and transparent operations. We help design, evaluate, and implement policies and programs, and we emphasize training as an integral tool in building sustainability in social development.

Our efforts to further economic and social development include the following:

- Crime and justice
- Economic development and technology
- Energy and environmental technologies
- Measurement and compatibility standards
- Pharmaceuticals and other medical technologies
- Technology policy
- Electric power generation, transmission, and distribution
- Environment and natural resource management
- Natural gas
- Public utilities and infrastructure.

Data Capture and Management

Survey Design and Development

Design and development of survey instruments are core activities across all research areas at RTI. Our researchers have expertise in a variety of instrument development techniques, and our facilities are equipped with the latest technologies for evaluating the wide range of instruments used in survey data collection. At RTI, we offer expertise in the following survey areas:

- Cognitive pretesting
- Counting and listing
- Psychometric evaluation
- Statistics research
- Survey methods
- Tracing operations
- Usability testing.

Data Collection

RTI has more than 40 years of experience providing our clients with a full range of survey data collection services, from one-on-one interviewing to leading-edge, computer-assisted methodologies. Our data collection activities and expertise include the following:

- Computer-assisted interviewing:
  - Audio computer-assisted self-interviewing (ACASI)
  - Computer-assisted personal interviewing (CAPI)
  - Computer-assisted recorded interviewing (CARI)
  - Computer-assisted telephone interviewing (CATI)
  - Telephone audio computer-assisted self-interviewing (T-ACASI)
  - Web-based, computer-assisted data entry (CADE)
- Field surveys and personal interviews
- Mail surveys
- Mixed-mode data collection
- Sensitive topics and behaviors.

Data Management

RTI offers IT services under the MOBIS schedule to support mission-oriented integrated business solutions (not stand-alone IT services). At RTI, we are developing and maintaining computerized survey control systems to monitor the flow of study data. We perform manual and computer edits and coding to ensure and validate data quality. We also maintain a data entry staff who use controlled and custom data entry programs with 100% keying verification. Our expertise includes data management in clinical research, information technology, and integrated field management systems.

Environment and Natural Resources

Our environmental sciences expertise in policy and regulation helps governments make critical mission-oriented decisions such as permitting, compliance, and management. RTI's engineers and chemists work collaboratively with our statisticians, economists, biologists, epidemiologists, survey specialists, legal/regulatory experts, and risk assessors. In addition to supporting survey operations involving environmental impacts on health, our teams provide innovative and cost-effective solutions to our clients' environmental business problems.

RTI's current mission-oriented business efforts integrate the following services relevant to government needs:

- Environmental and natural resource economics
- Policies and regulations.

Education and Training

RTI has built a strong foundation in education and training research. Our projects span the world, teaming researchers from numerous disciplines, including education, statistics, survey research, computer science, psychology, and international development. Our staff conduct research and provide technical and consulting services in the following areas:
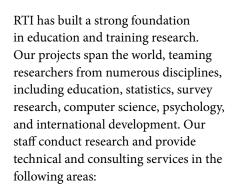
- Adult education
- Disability policy and programs
- Education and training technology
- Elementary and secondary education
- Family and early childhood
- International education policy and systems
- Postsecondary education.

Innovation Advising Services

RTI's experts in open innovation and technology commercialization provide strategic consulting and technical services. We help our clients derive greater value from innovation through strategic planning, technology scouting, technology-driven market intelligence, business development, and organizational capacity building.

Through our innovation labs, we facilitate collaborative problem solving and idea generation by engaging people and organizations with diverse perspectives in interactive working sessions to consider barriers to innovation and opportunities for new solutions. Our technology commercialization services help our clients accelerate their technologies' path to market.

Our innovation-led economic development work provides guidance to regional stakeholders on growing their local economies. We enable our clients to consider risks and pursue opportunities to grow and expand their organizations through diversification and new product and program development. We offer

- Innovation labs for collaborative problem solving and ideation
- Strategic planning for business market growth and diversification
- Economic development cluster and ecosystem analysis and strategy
- Open innovation services
- Technology commercialization services
- Organizational capacity building through open innovation and business development training.

Research Dissemination

Data Science and Analytics

Government agencies, industries, and organizations are increasingly exposed to an unprecedented volume, velocity, and variety of data. Leveraging our expertise in statistical, computer, social, life, information, and engineering sciences, RTI researchers and analytic consultants help our clients turn data into actionable insights through a combination of predictive analytics, modeling, and data visualization. We provide technical expertise and creative leadership in the following areas:

- Digital architecture/infrastructure design consultation
- Data inventory assessment
- Data collection and data cleaning
- Predictive model building/validation/optimization
- Data visualization and rapid prototyping.

By leveraging technology and infrastructure expertise, data science skill sets, and technical knowledge, RTI is well positioned to resolve unique business and research problems.

Technical Communication Services

Good science demands the effective dissemination of accurate and comprehensible study results. RTI provides full-scale communications support, from strategic planning and implementation to publication services and product development, across all areas of our research. Working collaboratively with subject matter experts, we craft products that successfully communicate complex technical information to targeted audiences. Services include enhanced multimedia capabilities; web interface design and maintenance; and in-person and virtual training, conference, and meeting support. We partner with clients from concept through implementation to ensure that information products align with client objectives and audience needs. Underlying all that we do is a strong commitment to the principles of

- Plain language
- Accessibility (Section 508 compliance)
- User-centered design
- Quality assurance
- Scientific integrity.

MOBIS Price List:
GS-10F-0097L—RTI International

Customer Information

1a. Table of awarded special item number(s) with appropriate cross-reference to page numbers: **Integrated Consulting Services 874-1 and 874-1RC**

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any 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. **N/A**

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" for this item. **See pricelist**

2. Maximum order: **$1,000,000**

3. Minimum order: **$100**

4. Geographic coverage (delivery area): **FOB Worldwide**

5. Point(s) of production (city, county, and state or foreign country): **Same as contractor**

6. Discount from list prices or statement of net price: **Government Net Prices (discounts already deducted). See prices attached**

7. Quantity discounts: **None offered**

8. Prompt payment terms: **Net 30 days**

9a. Notification that Government purchase cards are accepted up to the micro-purchase threshold: **Yes**

9b. Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold: **Contact contractor**

10. Foreign items (list items by country of origin): **None**

11a. Time of delivery (contractor insert number of days): **Specified on the delivery order**

11b. 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**

11c. 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**

11d. Urgent requirements: The Contractor will note in its price list the "Urgent Requirements" clause of its contract and advise agencies that they can also contact the Contractor's representative to effect a faster delivery: **Contact contractor**

12. F.O.B. points(s): **Destination**

13a. Ordering address(es): S**ame as contractor or by email to gsa@rti.org**

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

14. Payment address(es): **Same as contractor**

15. Warranty provision: **Contractor's standard commercial warranty**

16. Export packing charges (if applicable): **N/A**

17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level): **Contact contractor**

18. Terms and conditions of rental, maintenance, and repair (if applicable): **N/A**

19. Terms and conditions of installation (if applicable): **N/A**

20a. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable): **N/A**

20b. Terms and conditions for any other services (if applicable): **N/A**

21. List of service and distribution points (if applicable): **N/A**

22. List of participating dealers (if applicable): **N/A**

23. Preventive maintenance (if applicable): **N/A**

24a. Special attributes such as environmental attributes, (e.g., recycled content, energy efficiency, and/or reduced pollutants): **N/A**

24b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contactor's website or other location.) The EIT standards can be found at: www.Section508.gov/. **N/A**

25. Data Universal Numbering System (DUNS) number: **00-486-8105**

26. Notification regarding registration in Central Contractor Registration (CCR) database: **00-486-8105/3A730**

SIN 874-1 Price List

Labor Category	Year 11 12/1/10– 11/30/11	Year 12 12/1/11– 12/30/12	Year 13 12/1/12– 11/30/13	Year 14 12/1/13– 11/30/14	Year 15 12/1/14– 11/30/15
Project Management					
Senior Advisor	$292.12	$301.06	$310.28	$319.77	$329.55
Project Director	199.87	205.99	212.29	218.79	225.49
Project Associate 2	110.00	113.36	116.83	120.41	124.09
Project Associate 1	79.21	82.38	85.68	89.11	91.84
Administrative Support [SCA 01020]	69.78	71.92	74.12	76.39	78.72
Word Processors [SCA 01613]	47.30	48.75	50.24	51.78	53.37
Communications Specialists					
Senior Editor	$153.29	$159.42	$165.80	$172.43	$177.71
Graphics Designer / Illustrator	134.40	139.78	145.37	151.18	155.81
Editor /Graphics Designer 2	128.92	132.86	136.93	141.12	145.44
Editor /Graphics Designer 1	101.64	105.70	109.93	114.33	117.83
Publishing Associate 2	83.97	86.54	89.19	91.92	94.73
Publishing Associate 1	60.18	62.58	65.09	67.69	69.76
Survey Scientists					
Sr. Survey Scientist 4	$357.15	$368.08	$379.35	$390.95	$402.92
Sr. Survey Scientist 3	250.72	258.40	266.30	274.45	282.85
Sr. Survey Scientist 2	195.14	201.12	207.27	213.61	220.15
Sr. Survey Scientist 1	171.49	176.74	182.15	187.72	193.47
Midlevel Survey Scientist 2	138.38	142.61	146.98	151.47	156.11
Midlevel Survey Scientist 1	115.89	119.44	123.09	126.86	130.74
Associate Survey Scientist 2	96.97	99.94	102.99	106.15	109.39
Associate Survey Scientist 1	75.69	78.00	80.39	82.85	85.39
Research Assistant 2: Survey Scientist	63.87	65.82	67.83	69.91	72.05
Research Assistant 1: Survey Scientist	55.58	57.28	59.03	60.84	62.70
Data Collection Support	40.20	41.43	42.70	44.01	45.36
Interviewer [SCA 01420]	35.47	36.56	37.68	38.83	40.02
Social Scientists					
Sr. Social Scientist 4	$316.95	$326.65	$336.64	$346.95	$357.56
Sr. Social Scientist 3	266.10	274.24	282.64	291.28	300.20
Sr. Social Scientist 2	212.87	219.38	226.10	233.02	240.15
Sr. Social Scientist 1	167.93	173.06	178.36	183.82	189.44
Midlevel Social Scientist 2	146.64	151.13	155.76	160.52	165.43
Midlevel Social Scientist 1	118.26	121.88	125.61	129.45	133.41
Associate Social Scientist 2	106.43	109.69	113.04	116.50	120.07
Associate Social Scientist 1	83.97	86.54	89.19	91.92	94.73
Research Assistant 2: Social Scientist	73.33	75.57	77.88	80.27	82.72
Research Assistant 1: Social Scientist	61.50	63.38	65.32	67.32	69.38
Statisticians					
Sr. Statistician 4	$350.06	$360.78	$371.82	$383.19	$394.92
Sr. Statistician 3	257.81	265.70	273.83	282.21	290.85
Sr. Statistician 2	221.16	227.92	234.90	242.09	249.49

(continued)

SIN 874-1 Price List *(continued)*

Labor Category	Year 11 12/1/10– 11/30/11	Year 12 12/1/11– 12/30/12	Year 13 12/1/12– 11/30/13	Year 14 12/1/13– 11/30/14	Year 15 12/1/14– 11/30/15
Statisticians *(continued)*					
Sr. Statistician 1	$173.85	$179.17	$184.65	$190.30	$196.13
Midlevel Statistician 2	158.47	163.31	168.31	173.46	178.77
Midlevel Statistician 1	137.18	141.38	145.71	150.17	154.76
Associate Statistician 2	114.72	118.23	121.84	125.57	129.42
Associate Statistician 1	96.97	99.94	102.99	106.15	109.39
Research Assistant 2: Statistician	87.51	90.19	92.95	95.79	98.72
Research Assistant 1: Statistician	73.33	75.57	77.88	80.27	82.72
Computer Programmers/Scientists					
Sr. Computer Programmer/ Scientist 4	$250.72	$258.40	$266.30	$274.45	$282.85
Sr. Computer Programmer/ Scientist 3	224.69	231.57	238.65	245.96	253.48
Sr. Computer Programmer/ Scientist 2	211.70	218.17	224.85	231.73	238.82
Sr. Computer Programmer/ Scientist 1	172.67	177.95	183.40	189.01	194.79
Midlevel Computer Programmer/Scientist 2	159.66	164.55	169.58	174.77	180.12
Midlevel Computer Programmer/Scientist 1	139.54	143.81	148.21	152.75	157.42
Associate Computer Programmer/Scientist 2	131.28	135.29	139.43	143.70	148.10
Associate Computer Programmer/Scientist 1	107.63	110.92	114.31	117.81	121.42
Research Asst 2: Computer Programmer/Scientist	89.88	92.63	95.46	98.38	101.40
Research Asst 1: Computer Programmer/Scientist	74.50	76.78	79.13	81.55	84.05
Environmental Scientists					
Senior Environmental Scientist 4	$259.00	$266.93	$275.09	$283.51	$292.19
Senior Environmental Scientist 3	190.41	196.24	202.25	208.43	214.81
Senior Environmental Scientist 2	165.57	170.63	175.85	181.23	186.78
Senior Environmental Scientist 1	133.65	137.74	141.95	146.30	150.77
Midlevel Environmental Scientist 2	113.54	117.02	120.60	124.29	128.09
Midlevel Environmental Scientist 1	92.25	95.07	97.98	100.98	104.07
Associate Environmental Scientist 2	83.97	86.54	89.19	91.92	94.73
Associate Environmental Scientist 1	67.42	69.48	71.61	73.80	76.06
Research Assistant 2: Environmental Scientist	60.32	62.17	64.07	66.03	68.05
Research Assistant 1: Environmental Scientist	53.23	54.86	56.54	58.27	60.05
Engineers					
Senior Engineer 4	$285.02	$293.74	$302.73	$312.00	$321.54
Senior Engineer 3	230.62	237.67	244.95	252.44	260.17
Senior Engineer 2	195.14	201.12	207.27	213.61	220.15
Senior Engineer 1	183.32	188.93	194.71	200.67	206.81
Midlevel Engineer 2	165.57	170.63	175.85	181.23	186.78
Midlevel Engineer 1	127.72	131.63	135.66	139.81	144.09
Associate Engineer 2	110.00	113.36	116.83	120.41	124.09
Associate Engineer 1	100.54	103.61	106.78	110.05	113.42
Research Assistant 2: Engineer	99.34	102.38	105.51	108.74	112.07
Research Assistant 1: Engineer	72.15	74.36	76.64	78.98	81.40

SIN 874-1 Price List   *(continued)*

Labor Category	Year 11 12/1/10– 11/30/11	Year 12 12/1/11– 12/30/12	Year 13 12/1/12– 11/30/13	Year 14 12/1/13– 11/30/14	Year 15 12/1/14– 11/30/15
Engineers *(continued)*					
Engineer Technician 2	$82.79	$85.32	$87.93	$90.62	$93.40
Engineer Technician 1	75.69	78.00	80.39	82.85	85.39

Service Contract Act

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

SCA Table

SCA Eligible Contract Labor Category	SCA Occupational Code Equivalent Title	SCA Wage Determination
Administrative Support	01020 – Administrative Assistant	05-2401
Interviewer	01420 – Survey Worker	05-2401
Word Processor	01613 – Word Processor	05-2401

The SCA is applicable to this contract, and it includes SCA-applicable labor categories. The prices for the indicated SCA labor categories are based on the U.S. Department of Labor Wage Determination Numbers identified in the table. The prices offered are based on the preponderance of where work is performed. Should the contractor perform in an area with lower SCA rates, resulting in lower wages being paid, the task order prices will be discounted accordingly

Labor Category Descriptions

Labor Category	Level	Description	Minimum Experience	Minimum Education
Project Management				
Senior Advisor		Plans and supplies technical advice and counsel to other professionals, especially on more complex tasks. Has advanced level knowledge of the broad scope of scientific research and the ability to originate and apply new and unique methods and procedures.	10	Ph.D.
Project Director		Plans, conducts and supervises projects utilizing integrated business services, requiring advanced knowledge of the relevant science and the ability to apply new and unique methods and procedures to meet cleint's mission oriented needs.	6	MA/MS
Project Associate 2 (formerly "Project Coordinator")		Provides data management, logistics, data publication, and testing support to projects. The Project Administrator is responsible for maintaining project and program Gantt charts and financial databases, gathering estimate to complete information from project participants, and preparing management and customer reports for review and approval by the Project Manager. Work independently and consistently meet project deadlines.	8	BA/BS
Project Associate 1 (formerly "Project Associate 2")		Supports the Project Director in management of contracts in a wide variety of ways, including ensuring adherence to contract terms including client billing, coordination of consultant and subcontractor work, and meeting deliverable dates and requirements. May organize and perform specific aspects of report production including tracking and delivering draft and final reports.	4	BA/BS
Administrative Support		Perform project financial analysis through monitoring actual costs incurred, projecting future costs and estimating costs which have been spent yet not incurred and comparing these amounts to budget. Additional support provided for monitoring subcontract invoices and aiding in the approval of invoices. Staff prepares financial progress reports and charts as required in the contract.	2	AS
Word Processors		Perform various document preparation tasks, including formatting, typing, and limited graphics development. Create templates shells for reports. Create PDF files, online forms, mail merge documents, and HTML files as needed.	0	High School
Communication Specialists				
Senior Editor [formerly "Editor 2"]		Directs editorial projects and prepares technical documentation including software user's guides and instructions for navigating websites. Edits a wide range of publications including reports, essays, booklets, and online materials for readability, writing style, adherence to editorial guidelines, accuracy, grammar, tabular and graphic presentation, and consistency of format.	15	MS
Graphics Designer / Illustrator		Directs the development of a wide range of graphics for reports, presentations, brochures, questionnaires, newsletters, and technical bulletins. Designs and produces graphics for final documents and presentations. May assign tasks to Publishing Associates such as creating report covers, graphs, charts, illustrations, and layouts for numerous publications.	15	BA / BS
Editor/Graphics Designer	2	Edit scientific documentation (reports and other project deliverables) to ensure accuracy of spelling, grammar, punctuation, and references. Copy edit to ensure consistency and appropriateness of tone and style, as well as consistency of formatting. Can also provide substantive editing when needed to ensure good organization and logical flow of text. Develop diagrams, flow charts, and other images to accompany text from reports and other project deliverables. Create brochures, flyers, posters, photo collages, and PowerPoint or custom slides. Design newsletters, letterhead, CD labels, certificates, programs, or report covers for project deliverables. Develop technical illustrations, including tables and graphs, Gantt charts, chart, maps, and other conceptual models.	12	BA / BS

Labor Category Descriptions *(continued)*

Labor Category	Level	Description	Minimum Experience	Minimum Education
Communication Specialists *(continued)*				
Editor/Graphics Designer [formerly "Publishing Associate 1"]	1	Edit scientific documentation (reports and other project deliverables) to ensure accuracy of spelling, grammar, punctuation, and references. Copy edit to ensure consistency and appropriateness of tone and style, as well as consistency of formatting. Can also provide substantive editing when needed to ensure good organization and logical flow of text. Develop diagrams, flow charts, and other images to accompany text from reports and other project deliverables. Create brochures, flyers, posters, photo collages, and PowerPoint or custom slides. Design newsletters, letterhead, CD labels, certificates, programs, or report covers for project deliverables. Develop technical illustrations, including tables and graphs, Gantt charts, chart, maps, and other conceptual models. Works under general supervision of project staff.	8	BA / BS
Publishing Associate [formerly "Editor/Graphics Designer 1"]	2	Edit reports and other project deliverables to ensure accuracy of spelling, grammar, punctuation, and references. Produce a wide range of materials for presentations and publications, or online materials. May also perform light proofreading, bind reports, or perform other tasks related to producing materials and deliverables. Also experienced in using desktop publishing and creative graphics software.	4	BA / BS
Publishing Associate [formerly "Publishing Associate 3"]	1	Provides support to the project in producing final deliverable materials, including formatting texts and tables, revisions to drafts and versions of publications, reports, essays, statistics-in-brief, and booklets. May also perform light proofreading, bind reports, or perform other tasks related to producing materials and deliverables. Works under close supervision of project staff.	1	BA / BS
Survey Scientists				
Senior Survey Scientist	4	Perform survey research tasks 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. May be considered a national expert in field of expertise.	12	MA/MS
Senior Survey Scientist	3	Perform survey research tasks 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. May be considered a national expert in field of expertise.	10	MA/MS
Senior Survey Scientist	2	Perform survey research tasks 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. May be considered a national expert in field of expertise.	8	MA/MS

Labor Category Descriptions *(continued)*

Labor Category	Level	Description	Minimum Experience	Minimum Education
Survey Scientists *(continued)*				
Senior Survey Scientist	1	Perform survey research tasks 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. May be considered a national expert in field of expertise.	6	MA/MS
Midlevel Survey Scientist	2	Perform survey research tasks 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 demonstrate organization, clarity, and proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative.	3	MA/MS
Midlevel Survey Scientist	1	Perform survey research tasks 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 demonstrate organization, clarity, and proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative.	1	MA/MS
Associate Survey Scientist	2	Perform survey research tasks of some technical complexity, applying standard and established theories, concepts, and techniques; examples of tasks include designing/developing methods of data collection; collecting data; analyzing, interpreting, and summarizing data using a variety of modeling and computer programming techniques; preparing chapters of project reports in an organized, clear manner and in the proper format. Work is performed under general supervision of the project manager or more experienced researchers.	4	BA/BS
Associate Survey Scientist	1	Perform survey research tasks of some technical complexity, applying standard and established theories, concepts, and techniques; examples of tasks include designing/developing methods of data collection; collecting data; analyzing, interpreting, and summarizing data using a variety of modeling and computer programming techniques; preparing chapters of project reports in an organized, clear manner and in the proper format. Work is performed under general supervision of the project manager or more experienced researchers.	2	BA/BS
Research Assistant: Survey Scientist	2	Perform survey research and administrative tasks of limited technical complexity, applying standard and established techniques; examples include conducting literature searches and summarizing information, collecting data, preparing tables, graphs, and executing straightforward quantitative analyses using spreadsheet or statistical software, and organizing and filing project materials; write chapters of project reports that are organized, clear, and in the proper format; complete work products on schedule. Project manager supervises all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	1	High School
Research Assistant: Survey Scientist	1	Perform survey research and administrative tasks of limited technical complexity, applying standard and established techniques; examples include conducting literature searches and summarizing information, collecting data, preparing tables, graphs, and executing straightforward quantitative analyses using spreadsheet or statistical software, and organizing and filing project materials; write chapters of project reports that are organized, clear, and in the proper format; complete work products on schedule. Project manager supervises all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	0	High School

Labor Category Descriptions *(continued)*

Labor Category	Level	Description	Minimum Experience	Minimum Education
Survey Scientists *(continued)*				
Data Collection Support		Assists in various data collection tasks across projects of all sizes.	0	High School
Interviewer		Conducts interviews with survey respondents	0	High School
Social Scientists				
Senior Social Scientist	4	Perform social science research tasks 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. May be considered a national expert in field of expertise.	8	Ph.D.
Senior Social Scientist	3	Perform social science research tasks 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. May be considered a national expert in field of expertise.	6	Ph.D.
Senior Social Scientist	2	Perform social science research tasks 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. May be considered a national expert in field of expertise.	4	Ph.D.
Senior Social Scientist	1	Perform social science research tasks 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. May be considered a national expert in field of expertise.	2	Ph.D.
Midlevel Social Scientist	2	Perform social science research tasks 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 demonstrate organization, clarity, and proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative.	3	MA/MS
Midlevel Social Scientist	1	Perform social science research tasks 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 demonstrate organization, clarity, and proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative.	1	MA/MS

(continued)

Labor Category Descriptions *(continued)*

Labor Category	Level	Description	Minimum Experience	Minimum Education
Social Scientists *(continued)*				
Associate Social Scientist	2	Perform social science research tasks of some technical complexity, applying standard and established theories, concepts, and techniques; examples of tasks include designing/developing methods of data collection; collecting data; analyzing, interpreting, and summarizing data using a variety of modeling and computer programming techniques; preparing chapters of project reports in an organized, clear manner and in the proper format. Work is performed under general supervision of the project manager or more experienced researchers.	4	BA/BS
Associate Social Scientist	1	Perform social science research tasks of some technical complexity, applying standard and established theories, concepts, and techniques; examples of tasks include designing/developing methods of data collection; collecting data; analyzing, interpreting, and summarizing data using a variety of modeling and computer programming techniques; preparing chapters of project reports in an organized, clear manner and in the proper format. Work is performed under general supervision of the project manager or more experienced researchers.	2	BA/BS
Research Assistant: Social Scientist	2	Perform social science research and administrative tasks of limited technical complexity, applying standard and established techniques; examples include conducting literature searches and summarizing information, collecting data, preparing tables, graphs, and executing straightforward quantitative analyses using spreadsheet or statistical software, and organizing and filing project materials; write chapters of project reports that are organized, clear, and in the proper format; complete work products on schedule. Project manager supervises all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	1	High School
Research Assistant: Social Scientist	1	Perform social science research and administrative tasks of limited technical complexity, applying standard and established techniques; examples include conducting literature searches and summarizing information, collecting data, preparing tables, graphs, and executing straightforward quantitative analyses using spreadsheet or statistical software, and organizing and filing project materials; write chapters of project reports that are organized, clear, and in the proper format; complete work products on schedule. Project manager supervises all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	0	High School
Statisticians				
Senior Statistician	4	Perform statistics research tasks 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. May be considered a national expert in field of expertise.	8	Ph.D.
Senior Statistician	3	Perform statistics research tasks 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. May be considered a national expert in field of expertise.	6	Ph.D.

Labor Category Descriptions *(continued)*

Labor Category	Level	Description	Minimum Experience	Minimum Education
Statisticians *(continued)*				
Senior Statistician	2	Perform statistics research tasks 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. May be considered a national expert in field of expertise.	4	Ph.D.
Senior Statistician	1	Perform statistics research tasks 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. May be considered a national expert in field of expertise.	2	Ph.D.
Midlevel Statistician	2	Perform statistics research tasks 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 demonstrate organization, clarity, and proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative.	3	MA/MS
Midlevel Statistician	1	Perform statistics research tasks 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 demonstrate organization, clarity, and proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative.	1	MA/MS
Associate Statistician	2	Perform statistics research tasks of some technical complexity, applying standard and established theories, concepts, and techniques; examples of tasks include designing/developing methods of data collection; collecting data; analyzing, interpreting, and summarizing data using a variety of modeling and computer programming techniques; preparing chapters of project reports in an organized, clear manner and in the proper format. Work is performed under general supervision of the project manager or more experienced researchers.	4	BA/BS
Associate Statistician	1	Perform statistics research tasks of some technical complexity, applying standard and established theories, concepts, and techniques; examples of tasks include designing/developing methods of data collection; collecting data; analyzing, interpreting, and summarizing data using a variety of modeling and computer programming techniques; preparing chapters of project reports in an organized, clear manner and in the proper format. Work is performed under general supervision of the project manager or more experienced researchers.	2	BA/BS
Research Assistant: Statistician	2	Perform statistics research and administrative tasks of limited technical complexity, applying standard and established techniques; examples include conducting literature searches and summarizing information, collecting data, preparing tables, graphs, and executing straightforward quantitative analyses using spreadsheet or statistical software, and organizing and filing project materials; write chapters of project reports that are organized, clear, and in the proper format; complete work products on schedule. Project manager supervises all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	1	High School

Labor Category Descriptions *(continued)*

Labor Category	Level	Description	Minimum Experience	Minimum Education
Statisticians *(continued)*				
Research Assistant: Statistician	1	Perform statistics research and administrative tasks of limited technical complexity, applying standard and established techniques; examples include conducting literature searches and summarizing information, collecting data, preparing tables, graphs, and executing straightforward quantitative analyses using spreadsheet or statistical software, and organizing and filing project materials; write chapters of project reports that are organized, clear, and in the proper format; complete work products on schedule. Project manager supervises all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	0	High School
Computer Programmers				
Senior Computer Programmer/ Scientist	4	Perform computing research tasks 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. May be considered a national expert in field of expertise.	12	MA/MS
Senior Computer Programmer/ Scientist	3	Perform computing research tasks 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. May be considered a national expert in field of expertise.	10	MA/MS
Senior Computer Programmer/ Scientist	2	Perform computing research tasks 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. May be considered a national expert in field of expertise.	8	MA/MS
Senior Computer Programmer/ Scientist	1	Perform computing research tasks 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. May be considered a national expert in field of expertise.	6	MA/MS
Midlevel Computer Programmer/ Scientist	2	Perform computing research tasks 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 demonstrate organization, clarity, and proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative.	3	MA/MS

Labor Category Descriptions *(continued)*

Labor Category	Level	Description	Minimum Experience	Minimum Education
Computer Programmers *(continued)*				
Midlevel Computer Programmer/ Scientist	1	Perform computing research tasks 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 demonstrate organization, clarity, and proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative.	1	MA/MS
Associate Computer Programmer/ Scientist	2	Perform computing research tasks of some technical complexity, applying standard and established theories, concepts, and techniques; examples of tasks include designing/ developing methods of data collection; collecting data; analyzing, interpreting, and summarizing data using a variety of modeling and computer programming techniques; preparing chapters of project reports in an organized, clear manner and in the proper format. Work is performed under general supervision of the project manager or more experienced researchers.	4	BA/BS
Associate Computer Programmer/ Scientist	1	Perform computing research tasks of some technical complexity, applying standard and established theories, concepts, and techniques; examples of tasks include designing/ developing methods of data collection; collecting data; analyzing, interpreting, and summarizing data using a variety of modeling and computer programming techniques; preparing chapters of project reports in an organized, clear manner and in the proper format. Work is performed under general supervision of the project manager or more experienced researchers.	2	BA/BS
Research Assistant: Computer Programmer/ Scientist	2	Perform computing research and administrative tasks of limited technical complexity, applying standard and established techniques; examples include conducting literature searches and summarizing information, collecting data, preparing tables, graphs, and executing straightforward quantitative analyses using spreadsheet or statistical software, and organizing and filing project materials; write chapters of project reports that are organized, clear, and in the proper format; complete work products on schedule. Project manager supervises all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	1	High School
Research Assistant: Computer Programmer/ Scientist	1	Perform computing research and administrative tasks of limited technical complexity, applying standard and established techniques; examples include conducting literature searches and summarizing information, collecting data, preparing tables, graphs, and executing straightforward quantitative analyses using spreadsheet or statistical software, and organizing and filing project materials; write chapters of project reports that are organized, clear, and in the proper format; complete work products on schedule. Project manager supervises all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	0	High School
Environmental Scientists				
Senior Environmental Scientist	4	Perform environmental research tasks 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. May be considered a national expert in field of expertise.	8	Ph.D.

(continued)

Labor Category Descriptions *(continued)*

Labor Category	Level	Description	Minimum Experience	Minimum Education
Environmental Scientists *(continued)*				
Senior Environmental Scientist	3	Perform environmental research tasks 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. May be considered a national expert in field of expertise.	6	Ph.D.
Senior Environmental Scientist	2	Perform environmental research tasks 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. May be considered a national expert in field of expertise.	4	Ph.D.
Senior Environmental Scientist	1	Perform environmental research tasks 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. May be considered a national expert in field of expertise.	2	Ph.D.
Midlevel Environmental Scientist	2	Perform environmental research tasks 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 demonstrate organization, clarity, and proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative.	3	MA/MS
Midlevel Environmental Scientist	1	Perform environmental research tasks 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 demonstrate organization, clarity, and proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative.	1	MA/MS
Associate Environmental Scientist	2	Perform environmental research tasks of some technical complexity, applying standard and established theories, concepts, and techniques; examples of tasks include designing/developing methods of data collection; collecting data; analyzing, interpreting, and summarizing data using a variety of modeling and computer programming techniques; preparing chapters of project reports in an organized, clear manner and in the proper format. Work is performed under general supervision of the project manager or more experienced researchers.	4	BA/BS
Associate Environmental Scientist	1	Perform environmental research tasks of some technical complexity, applying standard and established theories, concepts, and techniques; examples of tasks include designing/developing methods of data collection; collecting data; analyzing, interpreting, and summarizing data using a variety of modeling and computer programming techniques; preparing chapters of project reports in an organized, clear manner and in the proper format. Work is performed under general supervision of the project manager or more experienced researchers.	2	BA/BS

Labor Category Descriptions *(continued)*

Labor Category	Level	Description	Minimum Experience	Minimum Education
Environmental Scientists *(continued)*				
Research Assistant: Environmental Scientist	2	Perform environmental research and administrative tasks of limited technical complexity, applying standard and established techniques; examples include conducting literature searches and summarizing information, collecting data, preparing tables, graphs, and executing straightforward quantitative analyses using spreadsheet or statistical software, and organizing and filing project materials; write chapters of project reports that are organized, clear, and in the proper format; complete work products on schedule. Project manager supervises all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	1	High School
Research Assistant: Environmental Scientist	1	Perform environmental research and administrative tasks of limited technical complexity, applying standard and established techniques; examples include conducting literature searches and summarizing information, collecting data, preparing tables, graphs, and executing straightforward quantitative analyses using spreadsheet or statistical software, and organizing and filing project materials; write chapters of project reports that are organized, clear, and in the proper format; complete work products on schedule. Project manager supervises all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	0	High School
Engineers				
Senior Engineer	4	Perform engineering research tasks 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. May be considered a national expert in field of expertise.	8	Ph.D.
Senior Engineer	3	Perform engineering research tasks 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. May be considered a national expert in field of expertise.	6	Ph.D.
Senior Engineer	2	Perform engineering research tasks 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. May be considered a national expert in field of expertise.	4	Ph.D.
Senior Engineer	1	Perform engineering research tasks 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. May be considered a national expert in field of expertise.	2	Ph.D.

(continued)

Labor Category Descriptions *(continued)*

Labor Category	Level	Description	Minimum Experience	Minimum Education
Engineers *(continued)*				
Midlevel Engineer	2	Perform engineering research tasks 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 demonstrate organization, clarity, and proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative.	3	MA/MS
Midlevel Engineer	1	Perform engineering research tasks 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 demonstrate organization, clarity, and proper format. Work is performed with minimal supervision and guidance. Results of work are considered technically authoritative.	1	MA/MS
Associate Engineer	2	Perform engineering research tasks of some technical complexity, applying standard and established theories, concepts, and techniques; examples of tasks include designing/developing methods of data collection; collecting data; analyzing, interpreting, and summarizing data using a variety of modeling and computer programming techniques; preparing chapters of project reports in an organized, clear manner and in the proper format. Work is performed under general supervision of the project manager or more experienced researchers.	4	BA/BS
Associate Engineer	1	Perform engineering research tasks of some technical complexity, applying standard and established theories, concepts, and techniques; examples of tasks include designing/developing methods of data collection; collecting data; analyzing, interpreting, and summarizing data using a variety of modeling and computer programming techniques; preparing chapters of project reports in an organized, clear manner and in the proper format. Work is performed under general supervision of the project manager or more experienced researchers.	2	BA/BS
Research Assistant: Engineer	2	Perform engineering research and administrative tasks of limited technical complexity, applying standard and established techniques; examples include conducting literature searches and summarizing information, collecting data, preparing tables, graphs, and executing straightforward quantitative analyses using spreadsheet or statistical software, and organizing and filing project materials; write chapters of project reports that are organized, clear, and in the proper format; complete work products on schedule. Project manager supervises all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	1	High School
Research Assistant: Engineer	1	Perform engineering research and administrative tasks of limited technical complexity, applying standard and established techniques; examples include conducting literature searches and summarizing information, collecting data, preparing tables, graphs, and executing straightforward quantitative analyses using spreadsheet or statistical software, and organizing and filing project materials; write chapters of project reports that are organized, clear, and in the proper format; complete work products on schedule. Project manager supervises all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	0	High School
Engineer Technician	2	Assist in performing engineering research and administrative tasks of limited technical complexity, applying standard and established techniques; examples include conducting literature searches and summarizing information, collecting data, preparing tables, graphs, and executing straightforward quantitative analyses using spreadsheet or statistical software, and organizing and filing project materials; write chapters of project reports that are organized, clear, and in the proper format; complete work products on schedule. Project manager or task leader supervise all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	2 with or 5 with	A.S. H.S.

Labor Category Descriptions

Labor Category	Level	Description	Minimum Experience	Minimum Education
Engineers *(continued)*				
Engineer Technician	1	Assist in performing engineering research and administrative tasks of limited technical complexity, applying standard and established techniques; examples include conducting literature searches and summarizing information, collecting data, preparing tables, graphs, and executing straightforward quantitative analyses using spreadsheet or statistical software, and organizing and filing project materials; write chapters of project reports that are organized, clear, and in the proper format; complete work products on schedule. Project manager or task leader supervise all activities, providing detailed oral and/or written instruction and reviewing all work for accuracy, completeness, and soundness of judgment.	1 with or 2 with	A.S. H.S.

Equivalency Values

The minimum education and experience criteria included in the list may be substituted for each other per the following equivalencies:

4 years experience = BA/BS

2 years experience plus AS degree or some college attendance = BA/BS

3 years experience plus BA/BS = MS

5 years experience plus AS or some college attendance = MS

4 years experience plus MS = Ph.D.

8 years plus BA/BS = Ph.D.

10 years plus AS or some college attendance = Ph.D.

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