On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through GSA Advantage!, a menu-driven database system. The INTERNET address for GSA Advantage! is http://www.gsaadvantage.gov

SCHEDULE TITLE:  Federal Supply Schedule 70 – General Purpose Commercial Information Technology Equipment, Software, and Services

CONTRACT NUMBER:  47QTCA19D003E

CONTRACT PERIOD:  12/17/18 – 12/16/2023

For more information on ordering from Federal Supply go to this website:  www.gsa.gov/schedules

CONTRACTOR:  Quality Systems Management, Inc. (QSMI)
7700 Little River Turnpike, Suite 202
Annandale, VA  22003-2497
Telephone: (703) 658-9700 extension 102
FAX: (703) 658-9702
GSA_MAS@qsmi.com
https://www.qsmi.com

CONTRACTOR’s ADMINISTRATION SOURCE:
Carrington Thomson, Chief Operating Officer
7700 Little River Turnpike, Suite 202
Annandale, VA  22003-2497
Telephone: (703) 658-9700 extension 102
FAX: (703) 658-9702
GSA_MAS@qsmi.com

BUSINESS SIZE:  Small Business / Woman-Owned Small Business

Pricelist Current Through:  MASS Mod PS-A826
1. CUSTOMER INFORMATION:

1a. TABLE OF AWARDED SPECIAL ITEM NUMBERS (SINs):

<table>
<thead>
<tr>
<th>SIN</th>
<th>Recovery</th>
<th>SIN Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>54151S</td>
<td>54151S-RC</td>
<td>Information Technology Professional Services</td>
</tr>
<tr>
<td>54151HEAL</td>
<td>54151HEAL-RC</td>
<td>Health IT Services</td>
</tr>
<tr>
<td>OLM</td>
<td>OLM-RC</td>
<td>Order Level Materials (OLM)</td>
</tr>
</tbody>
</table>

1b. LOWEST PRICE MODEL NUMBER AND PRICE FOR EACH SIN:

Not Applicable

1c. HOURLY RATES:

GSA Schedule 70 Labor Category Rates

<table>
<thead>
<tr>
<th>Labor Category Title</th>
<th>12/17/18-12/16/19</th>
<th>12/17/19-12/16/20</th>
<th>12/17/20-12/16/21</th>
<th>12/17/21-12/16/22</th>
<th>12/17/22-12/16/23</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIN 54151S</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Senior Software Engineer</td>
<td>$133.47</td>
<td>$136.81</td>
<td>$140.23</td>
<td>$143.74</td>
<td>$147.33</td>
</tr>
<tr>
<td>2. Software Engineer</td>
<td>$102.94</td>
<td>$105.51</td>
<td>$108.15</td>
<td>$110.85</td>
<td>$113.62</td>
</tr>
<tr>
<td>3. Junior Software Engineer</td>
<td>$90.41</td>
<td>$92.67</td>
<td>$94.99</td>
<td>$97.36</td>
<td>$99.79</td>
</tr>
<tr>
<td>4. Senior Database Engineer</td>
<td>$146.81</td>
<td>$150.48</td>
<td>$154.24</td>
<td>$158.10</td>
<td>$162.05</td>
</tr>
<tr>
<td>5. Database Engineer</td>
<td>$119.90</td>
<td>$122.90</td>
<td>$125.97</td>
<td>$129.12</td>
<td>$132.35</td>
</tr>
<tr>
<td>6. Database Management Specialist</td>
<td>$93.29</td>
<td>$95.62</td>
<td>$98.01</td>
<td>$100.46</td>
<td>$102.97</td>
</tr>
<tr>
<td>7. Network Engineer</td>
<td>$76.60</td>
<td>$78.52</td>
<td>$80.48</td>
<td>$82.49</td>
<td>$84.55</td>
</tr>
<tr>
<td>8. Junior Network Engineer</td>
<td>$65.76</td>
<td>$67.40</td>
<td>$69.09</td>
<td>$70.82</td>
<td>$72.59</td>
</tr>
<tr>
<td>9. Senior Systems/Program Analyst</td>
<td>$129.00</td>
<td>$132.23</td>
<td>$135.54</td>
<td>$138.93</td>
<td>$142.40</td>
</tr>
<tr>
<td>10. Admin Support Services Spec</td>
<td>$59.43</td>
<td>$60.92</td>
<td>$62.44</td>
<td>$64.00</td>
<td>$65.60</td>
</tr>
<tr>
<td>11. Systems/Programmer Analyst</td>
<td>$86.02</td>
<td>$88.17</td>
<td>$90.37</td>
<td>$92.63</td>
<td>$94.95</td>
</tr>
<tr>
<td>12. Technical Matter Specialist II</td>
<td>$126.80</td>
<td>$129.97</td>
<td>$133.22</td>
<td>$136.55</td>
<td>$139.96</td>
</tr>
<tr>
<td>13. Technical Matter Specialist I</td>
<td>$86.75</td>
<td>$88.92</td>
<td>$91.14</td>
<td>$93.42</td>
<td>$95.76</td>
</tr>
<tr>
<td>14. Logician II</td>
<td>$100.85</td>
<td>$103.37</td>
<td>$105.95</td>
<td>$108.60</td>
<td>$111.32</td>
</tr>
<tr>
<td>15. Logician I</td>
<td>$86.75</td>
<td>$88.92</td>
<td>$91.14</td>
<td>$93.42</td>
<td>$95.76</td>
</tr>
<tr>
<td>16. Documentation Specialist</td>
<td>$86.75</td>
<td>$88.92</td>
<td>$91.14</td>
<td>$93.42</td>
<td>$95.76</td>
</tr>
<tr>
<td>17. Technical Writer</td>
<td>$61.54</td>
<td>$63.08</td>
<td>$64.66</td>
<td>$66.28</td>
<td>$67.94</td>
</tr>
<tr>
<td>18. Technical Matter Specialist III</td>
<td>$166.68</td>
<td>$170.85</td>
<td>$175.12</td>
<td>$179.50</td>
<td>$183.99</td>
</tr>
<tr>
<td>19. Information Engineer, Mid-Level</td>
<td>$153.86</td>
<td>$157.71</td>
<td>$161.65</td>
<td>$165.69</td>
<td>$169.83</td>
</tr>
</tbody>
</table>

| SIN 54151HEAL                                  |                   |                   |                   |                   |                   |
| 20. Health Applications Programmer I           | $85.74            | TBD               | TBD               |                   |                   |
| 21. Health Applications Programmer III         | $163.30           | TBD               | TBD               |                   |                   |

2. MAXIMUM ORDER:

https://www.qsmi.com/ 703-658-9700
NOTE TO ORDERING ACTIVITIES: *If the best value selection places your order over the Maximum Order identified in this catalog/pricelist, you have an opportunity to obtain a better schedule contract price. Before placing your order, contact the aforementioned contactor for a better price. QSMI may (1) offer a new price for this requirement (2) offer the lowest price available under this contract or (3) decline the order. A delivery order that exceeds the maximum order may be placed under the schedule contract in accordance with FAR 8.404

3. **MINIMUM ORDER:**

   The minimum dollar value of orders to be issued is $100.00.

4. **GEOGRAPHIC COVERAGE:**

   The geographic scope of the IT Schedule is domestic and overseas delivery.

5. **POINT OF PRODUCTION:**

   7700 Little River Turnpike, Suite 202, Annandale, VA 22003

6. **DISCOUNTS FROM LIST PRICES:**

   GSA Net Prices are shown on the attached GSA Pricelist. Negotiated discount has been applied and the IFF has been added.

7. **QUANTITY DISCOUNT(S):**

   As specified on individual orders.

8. **PROMPT PAYMENT TERMS:** Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.

   **9a.** Government Purchase Cards must be accepted at or below the micro-purchase threshold.
9b. Government Purchase Cards are accepted above the micro-purchase threshold. Contact QSMI for limit.

10. **FOREIGN ITEMS:**
Not Applicable

11a. **TIME OF DELIVERY:**
Negotiated with Ordering Agency

11b. **EXPEDITED DELIVERY:**
Negotiated with Ordering Agency

11c. **OVERNIGHT AND 2-DAY DELIVERY:**
Overnight and 2-day delivery are available. Contact QSMI for rates.

11d. **URGENT REQUIREMENTS:**
Agencies can contact QSMI’s representative to affect a faster delivery. Customers are encouraged to contact QSMI for the purpose of requesting accelerated delivery.

12. **FOB POINT:**
Destination

13a. **ORDERING ADDRESS:**

<table>
<thead>
<tr>
<th>US Mail / FedEX</th>
<th>Facsimilie</th>
<th>E-Mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>QSMI</td>
<td>QSMI</td>
<td>ATTN: Contracts</td>
</tr>
<tr>
<td>ATTN: Contracts</td>
<td>ATTN: Contracts</td>
<td><a href="mailto:GSA_MAS@qsmi.com">GSA_MAS@qsmi.com</a></td>
</tr>
<tr>
<td>7700 Little River Turnpike</td>
<td>703-658-9702</td>
<td></td>
</tr>
<tr>
<td>Suite 202</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annandale, VA 22003</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

13b. **ORDERING PROCEDURES:**
Ordering activities shall use the ordering procedures described in Federal Acquisition Regulation 8.405-3 when placing an order or establishing a BPA for supplies or services. The ordering procedures, information on Blanket Purchase Agreements (BPA’s) and a sample BPA can be found at the GSA/FSS Schedule Homepage (fss.gsa.gov/schedules).
14. **PAYMENT ADDRESS:**
   QSMI
   ATTN: Accounts Payable
   7700 Little River Turnpike, Suite 202
   Annandale, VA 22003

15. **WARRANTY PROVISION:**
    Not Applicable for services

16. **EXPORT PACKING CHARGES:**
    Not Applicable

17. **TERMS AND CONDITIONS OF GOVERNMENT PURCHASE CARD ACCEPTANCE:**
    None

18. **TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR (IF APPLICABLE):**
    Not Applicable

19. **TERMS AND CONDITIONS OF INSTALLATION (IF APPLICABLE):**
    Not Applicable

20. **TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE LISTS AND ANY DISCOUNTS FROM LIST PRICES (IF AVAILABLE):**
    Not Applicable

20a. **TERMS AND CONDITIONS FOR ANY OTHER SERVICES (IF APPLICABLE):**
    Not Applicable

21. **LIST OF SERVICE AND DISTRIBUTION POINTS (IF APPLICABLE):**
    Not Applicable
22. LIST OF PARTICIPATING DEALERS (IF APPLICABLE):
Not Applicable

23. PREVENTIVE MAINTENANCE (IF APPLICABLE):
Not Applicable

24a. SPECIAL ATTRIBUTES SUCH AS ENVIRONMENTAL ATTRIBUTES (e.g. recycled content, energy efficiency, and/or reduced pollutants):
Not Applicable

24b. Section 508 Compliance for Electronic and Information Technology (EIT):
If applicable, Section 508 compliance on contract supplies and services are available in Electronic and Information Technology (EIT). QSMI understands that Section 508 generally requires Federal agencies to ensure that EIT procurement accounts for all end users’ needs including those of people with disabilities. As agencies identify Access Board technical provisions applicable to each order, QSMI will meet those provisions. EIT standards are posted at www.Section508.gov.

25. DUNS NUMBER:
QSMI (DUNS) #18-970-6641.

26. NOTIFICATION REGARDING REGISTRATION IN SYSTEM FOR AWARD MANAGEMENT (SAM) DATABASE:
QSMI has an Active Registration in the SAM database. QSMI’s CAGE Code is 080T3, and our Taxpayer ID Number is 54-1466948.
### DESCRIPTION OF SERVICES

#### QSNI SIN 54151S LABOR CATEGORIES

| 1. Commercial Job Title: Senior Software Engineer | Minimum/General Experience: This position requires a minimum of six years experience managing or performing software engineering activities, of which at least five years must be specialized. Specialized experience includes: demonstrated experience working with SQL, Java, JavaScript, and third/fourth generation languages in the design and implementation of systems and using database management systems. General experience includes increasing responsibilities in software engineering activities. Knowledgeable of applicable standards. With a Master's degree (in the fields described above): four years general experience of which at least two years must be specialized experience is required. With eight years of general experience of which at least six years must be specialized experience, a degree is not required. Functional Responsibility: Analyzes and studies complex system requirements, including Internet, client/server and mainframe. Designs software and subsystems to support software reuse and domain analyses and manages their implementation. Manages software development and support using formal specifications, data flow diagrams, other accepted design techniques and Computer Aided Software Engineering (CASE) tools. Estimates software development costs and schedule. Reviews existing programs and assists in making refinements, reducing operating time, and improving current techniques. Supervises software configuration management. Minimum Education: Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. |
| 2. Commercial Job Title: Software Engineer | Minimum/General Experience: This position requires a minimum of four years experience, of which at least two years must be specialized. Specialized experience includes: experience as an applications programmer on large-scale Internet, client/server and mainframe systems, knowledge of computer equipment and ability to develop complex software to satisfy design objectives. Demonstrated ability to work independently or under only general direction. With a Master's degree (in the fields described above): two years general experience, of which at least one year must be specialized experience, is required. With six years of general experience of which at least four years must be specialized experience, a degree is not required. Functional Responsibility: Analyzes functional business applications and design specifications for functional activities. Develops block diagrams and logic flow charts. Translates detailed design into computer software. Tests, debugs, and refines the computer software to produce the required product. Prepares required documentation, including both program-level and user-level documentation. Enhances software to reduce operating time or improve efficiency. Provides technical direction to programmers to ensure program deadlines are met. Minimum Education: Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. |
| 3. Commercial Job Title: Junior Software Engineer | Minimum/General Experience: This position is for recent college graduates and requires no experience. Functional Responsibility: Participates in the design of software tools and subsystems to support reuse and domain analysis. Assists Software Engineer and Database Engineer develop software requirements, design specifications to code, debug, integrate and test software components. Minimum Education: Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. |
| 4. Commercial Job Title: Senior Database Engineer | Minimum/General Experience: This position requires a minimum of six years experience, of which at least five years must be specialized. Specialized experience includes: demonstrated experience with DBMS design and system analysis, current operating systems software internals and data manipulation languages. General experience includes responsibilities in the development and maintenance of database systems. With a Master's degree (in the fields described above): four years general experience |
of which at least two years must be specialized experience is required. With eight years of general experience of which at least six years must be specialized experience, a degree is not required.

**Functional Responsibility:** Manages the development of database projects. Plans and budgets staff and database resources. When necessary, reallocates resources to maximize benefits. Prepares and delivers presentations on database management systems (DBMS) concepts. Provides daily supervision and direction to support staff.

**Minimum Education:** Bachelor’s degree in Computer Science, Information Systems, Engineering, Business, or other related discipline.

### 5. Commercial Job Title: Database Engineer

**Minimum/General Experience:** This position requires a minimum of four years experience, of which at least two years must be specialized. Specialized experience includes demonstrated experience using current DBMS’s technologies, application design utilizing various DBMS and experience with DBMS internals. General experience includes increasing responsibilities in DBMS systems analysis and programming. Demonstrated ability to work independently or under only general direction. With a Master’s degree (in the fields described above): two years general experience of which at least one year must be specialized experience is required. With six years of general experience of which at least four years must be specialized experience, a degree is not required.

**Functional Responsibility:** Provides highly technical expertise in the use of DBMS. Evaluates and recommends available DBMS products to support validated user requirements. Defines file organization, indexing methods, and security procedures for specific user applications.

**Minimum Education:** Bachelor’s degree in Computer Science, Information Systems, Engineering, Business, or other related discipline.

### 6. Commercial Job Title: Database Management Specialist

**Minimum/General Experience:** This position requires a minimum of three years experience, of which at least one year must be specialized. Specialized experience includes experience using current DBMS’s technologies, application design utilizing various DBMS and experience with DBMS internals. General experience includes responsibilities in DBMS systems analysis and programming. Ability to work independently or under only general direction. With a Master’s degree (in the fields described above): one year of general experience is required. With four years of general experience of which at least two years must be specialized experience, a degree is not required.

**Functional Responsibility:** Provides technical expertise in the use of DBMS. Evaluates and recommends available DBMS products to support validated user requirements. Defines file organization, indexing methods, and security procedures for specific user applications.

**Minimum Education:** Bachelor’s degree in Computer Science, Information Systems, Engineering, Business, or other related discipline.

### 7. Commercial Job Title: Network Engineer

**Minimum/General Experience:** This position requires a minimum of four years experience, of which at least two years must be specialized in telecommunications network design and management. Must demonstrate the ability to work independently or under only general direction on requirements that are moderately complex to analyze, plan, program, and implement. Two years of experience in analysis and design of voice networks, LAN and WAN data networks, wireless networks, and/or network management systems to support voice and data services. With a Master’s degree (in the fields described above): two years general experience of which at least one year must be specialized experience is required. With eight years general experience of which at least six years is specialized, a degree is not required.

**Functional Responsibility:** Analyzes and develops telecommunications networks supporting a wide range of capabilities, including voice, data, video, and/or wireless services. Develops designs and plans for installation and maintenance of telecommunications systems from project inception to conclusion. Analyzes the problem and the characteristics of the information to be transported. Defines the problem, and develops system requirements and network specifications. Closely coordinates with other information systems professionals to ensure proper implementation of network services. Develops, in conjunction with functional users, alternative solutions and backup plans.

**Minimum Education:** Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline.
8. **Commercial Job Title:** Junior Network Engineer  
**Minimum/General Experience:** This position is for recent college graduates and requires no experience. With six years general experience of which at least four years is specialized, a degree is not required.  
**Functional Responsibility:** Assists Network Engineer or Senior Network Engineer analyze and develop telecommunications networks supporting a wide range of capabilities, including voice, data, video, and/or wireless services. Assists development design and planning for installation and maintenance of telecommunications systems from project inception to conclusion. Closely coordinates with other information systems professionals to ensure proper implementation of network services. Develops, in conjunction with functional users, alternative solutions and backup plans.  
**Minimum Education:** Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline.

9. **Commercial Job Title:** Senior Systems/Program Analyst  
**Minimum/General Experience:** This position requires a strong background in systems analysis and design, requirements development, analytical model development, software engineering, and systems and applications software development. Minimum of six years experience, of which at least four years must be specialized experience. With a Master's degree (in the fields described above): four years general experience of which at least two years must be specialized experience is required. With ten years general experience of which at least eight years is specialized, a degree is not required.  
**Functional Responsibility:** Programming, operations research, systems analysis and design, requirements development, and analytical model development. Provides daily supervision and direction to support staff.  
**Minimum Education:** Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline.

10. **Commercial Job Title:** Administrative Support Services Specialist  
**Minimum/General Experience:** Three years of experience serving as a focal point and technical expert for automated administrative systems processing, recording, reporting, and management. With an Associate's degree in Business: two years of general experience of which at least one year must be specialized experience. With a Bachelor's degree in any field, will require one year of general experience.  
**Functional Responsibility:** Provides personal computer (PC) troubleshooting, PC assembly, operating system and application installation. Is able to provide technical assistance to users, supports user implementation of new and/or changed information technology applications, networks in a particular administrative system of functional area, and monitors the systems to ensure operation is in accordance with established policies and procedures. Assists with preparation of management plans and reports.  
**Minimum Education:** Requires a high school diploma with a minimum of three years experience, of which at least two years must be specialized.

11. **Commercial Job Title:** Systems/Programmer Analyst  
**Minimum/General Experience:** This position requires a strong background in systems analysis and design, requirements development, analytical model development, software engineering, and systems and applications software development. Minimum of four years experience, of which at least two years must be specialized experience. With a Master's degree (in the fields described above): two years general experience of which at least one year must be specialized experience is required. With six years of additional general experience of which at least four years is specialized, a degree is not required.  
**Functional Responsibility:** Provides programming services, operations research, systems analysis and design, requirements development, and analytical model development. Provides technical expertise throughout analyses, design, integration and testing of computer based systems with minimal supervision required.  
**Minimum Education:** Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline, or an additional six years of experience in lieu of bachelor's degree.

12. **Commercial Job Title:** Technical Matter Specialist II  
**Minimum/General Experience:** This position requires a minimum of six years specialty experience in a pertinent technology domain. Skilled in industry, government and/or military standards, procedures,
methodologies, or task specific tools/processes. With six years of additional general experience of which at least four years is specialized, a degree is not required.

**Functional Responsibility:** Provides technical expertise in support of areas such as Information Technology (IT) requirements/specifications definitions, planning, acquisition, performance, installation, maintenance, facility verification, validation, and drawing packages.

**Minimum Education:** Bachelor's degree in a technical discipline, or an additional six years of experience in lieu of bachelor's degree.

<table>
<thead>
<tr>
<th>13. Commercial Job Title:</th>
<th>Technical Matter Specialist I</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Minimum/General Experience:</strong> This position requires a minimum of four years specialty experience in a pertinent technology domain. Skilled in industry, government and/or military standards, procedures, methodologies, or task specific tools/processes. With six years of additional general experience of which at least four years is specialized, a degree is not required.</td>
<td></td>
</tr>
<tr>
<td><strong>Functional Responsibility:</strong> Provides technical expertise in support of areas such as Information Technology (IT): requirements/specifications definitions, planning, acquisition, performance, installation, maintenance, facility verification, validation, and drawing packages.</td>
<td></td>
</tr>
<tr>
<td><strong>Minimum Education:</strong> Bachelor's degree in a technical discipline, or an additional six years of experience in lieu of bachelor's degree.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14. Commercial Job Title:</th>
<th>Logistician I</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Minimum/General Experience:</strong> This position requires a strong background in developing support documentation and deft knowledge of the acquisition process. Minimum of five years experience, of which at least two years must be specialized experience. With a Master's degree (in the fields described above): two years general experience of which at least one year must be specialized experience is required. With six years of additional general experience of which at least four years is specialized, a degree is not required.</td>
<td></td>
</tr>
<tr>
<td><strong>Functional Responsibility:</strong> Provides overall IT acquisition support. Develops, updates, verifies and validates maintenance concepts and designs. Acquainted with common industry and government logistic policies. Supports procurement and tracking processes of computer resources, spares, and task specific equipment.</td>
<td></td>
</tr>
<tr>
<td><strong>Minimum Education:</strong> Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline, or an additional six years of experience in lieu of bachelor's degree.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>15. Commercial Job Title:</th>
<th>Logistician I</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Minimum/General Experience:</strong> This position requires a practical background in developing support documentation and knowledge of the acquisition process. Minimum of two years experience, of which at least one year must be specialized experience. With a Master's degree (in the fields described above): no experience is required. With six years of additional general experience of which at least four years is specialized, a degree is not required.</td>
<td></td>
</tr>
<tr>
<td><strong>Functional Responsibility:</strong> Provides acquisition technical support. Develops, updates, verifies and validates maintenance concepts and designs. Acquainted with common industry and government logistic policies. Supports procurement and tracking processes of computer resources, spares, and task specific equipment.</td>
<td></td>
</tr>
<tr>
<td><strong>Minimum Education:</strong> Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline, or an additional six years of experience in lieu of bachelor's degree.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>16. Commercial Job Title:</th>
<th>Documentation Specialist</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Minimum/General Experience:</strong> This position requires a strong background in developing, maintaining, verifying and validating technical documentation. Minimum of five years experience, of which at least two years must be specialized experience. With a Bachelor's degree (in the fields described above), no experience is required.</td>
<td></td>
</tr>
<tr>
<td><strong>Functional Responsibility:</strong> Provides overall technical documentation support such as: electronic library setup and control, preparation of, updates to, review and correction of all types of documents, as well as, overall electronic library configuration management control.</td>
<td></td>
</tr>
<tr>
<td><strong>Minimum Education:</strong> High School Diploma.</td>
<td></td>
</tr>
</tbody>
</table>
| 17. Commercial Job Title: Technical Writer  
Minimum/General Experience: This position requires a strong knowledge of computer systems and associated technical writing and drawing packages. Minimum of two years of technical writing and documentation experience, of which at least one year must be specialized experience. With six years of additional general experience of which at least four years is specialized, a degree is not required.  
Functional Responsibility: Produces, revises and corrects technical documentation base upon inputs from end user, analysts, programmers, specialists and other technical personnel. Identify and correct spelling, grammar, and structural content inaccuracies. Decipher technical documentation standards and produces documents conforming to standards.  
Minimum Education: Bachelor’s degree in English, or a technical discipline, or an additional six years of experience in lieu of bachelor’s degree. | 18. Commercial Job Title: Technical Matter Specialist III  
Minimum/General Experience: This position requires a minimum of 10 years specialty experience in a pertinent technology domain. Skilled in industry, government and/or military standards, procedures, methodologies, or task specific tools/processes. With 6 years of additional general experience of which at least 4 years is specialized, a degree is not required.  
Functional Responsibility: Provides technical expertise in support of areas such as Information Technology (IT) requirements/specifications definitions, planning, acquisition, performance, installation, maintenance, data modeling, database architecture, facility verification, validation, and drawing packages.  
Minimum Education: Bachelor’s Degree in a technical discipline, or an additional 8 years of experience in lieu of bachelor’s degree. |

| 19. Commercial Job Title: Information Engineer, Mid-Level  
Minimum/General Experience: This position requires a minimum of 8 years specialty experience in a pertinent technology domain. Skilled in industry, government and/or military standards, procedures, methodologies, or task specific tools/processes. With 6 years of additional general experience of which at least 4 years is specialized, a degree is not required.  
Functional Responsibility: Provides technical expertise in support of areas such as Information Technology (IT): requirements/specifications definitions, planning, acquisition, performance, installation, maintenance, facility verification, validation, and design/implementation of high-performance systems.  
Minimum Education: Bachelor’s Degree in a technical discipline, or an additional 6 years of experience in lieu of bachelor’s degree. | QSMI SIN 54151HEAL LABOR CATEGORIES |

| 20. Commercial Job Title: Health Applications Programmer I  
Minimum/General Experience: This position is for recent college graduates and requires experience in developing health systems and applications of 0-2 years.  
Functional Responsibility: Researches, analyzes, evaluates new technical requirements and modifies applications including software coding, testing, debugging, and deployment to support an organization’s healthcare application and systems. Works as a member of a technical team to develop new health applications. Consults with users to identify current operating procedures and to clarify program objectives. Assists in writing technical documentation and manuals for users to describe installation and operating procedures. May require a bachelor’s degree or its equivalent. Typically reports to a project leader or manager. Works on projects/matters of limited complexity in a support role. Work is closely managed.  
Minimum Education: Bachelor’s Degree in a technical discipline or 4 years of experience in lieu of a bachelor’s degree. | |

| 21. Commercial Job Title: Health Applications Programmer III  
Minimum/General Experience: This position requires a minimum of six years of experience managing or performing health applications programming activities, of which at least five years must be specialized. Specialized experience includes: demonstrated experience working with, SQL, NoSQL, JavaScript, and fourth/fifth generation languages in the design and implementation of systems and using database management systems. General experience includes increasing responsibilities in software engineering activities. Knowledgeable of applicable standards. |
**Functional Responsibility:** Leads the research, analysis, evaluation of technical requirements and modifies applications by writing new or modifying existing software code, testing, debugging, and deployment to support an organization's healthcare application and systems. Leads technical teams to develop new health applications. Consults with users to identify current healthcare operating procedures and to clarify program objectives. Writes technical documentation and manuals for users to describe installation and operating procedures. May write documentation to describe program development, logic, coding, and corrections. Requires a bachelor’s degree. Typically reports to a project leader or manager. Gaining exposure to some of the complex tasks within the job function. Occasionally directed in several aspects of the work.

**Minimum Education:** Bachelor’s Degree in a technical discipline plus 6 years of specific experience; With a Master's degree (in the fields described above): four years general experience of which at least two years must be specialized experience is required. With eight years of general experience of which at least six years must be specialized experience, a degree is not required.