



GSA SCHEDULE 70

**AUTHORIZED GSA SCHEDULE PRICE LIST
FSC GROUP 70, PART I, SECTIONS B & C
CATEGORY CODE S**

**Enterprise Information Management
IT Convergence / Consolidation
Enterprise Network Services
Next Generation IT Managed Services
Next Generation Net-Centric Solutions
Industry Best Practice IT Management**

General Services Administration

Federal Supply Service
Special Item No. 132-51 IT Services

Contract Number: GS-35F-4382G

Period Covered by Contract: Oct 15, 1996 through January 2012

TranTech, Inc.

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Woman-owned
CMM Level 2

Updated June 2009

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INFORMATION FOR ORDERING OFFICES**SPECIAL NOTICE TO AGENCIES****Small Business Participation**

SBA strongly supports the participation of small business concerns in the Federal Supply Schedules Program. To enhance Small Business Participation SBA policy allows agencies to include in their procurement base and goals, the dollar value of orders expected to be placed against the Federal Supply Schedules, and to report accomplishments against these goals.

For orders exceeding the micropurchase threshold, FAR 8.404 requires agencies to consider the catalogs/pricelists of at least three schedule contractors or consider reasonably available information by using the GSA Advantage on-line shopping service (www.fss.gsa.gov). The catalogs/pricelists, GSA Advantage !™ and the Federal Supply Service Home Page (www.fss.gsa.gov and <http://vsc.gsa.gov>) contain information on a broad array of products and services offered by small business concerns.

This information should be used as a tool to assist ordering activities in meeting or exceeding established small business goals. It should also be used as a tool to assist in including small, small disadvantaged, and women-owned small businesses among those considered when selecting pricelists for a best value determination.

For orders exceeding the micropurchase threshold, customers are to give preference to small business concerns when two or more items at the same delivered price will satisfy their requirement.

1. GEOGRAPHIC SCOPE OF CONTRACT The geographic scope of this contract is the 48 contiguous states and the District of Columbia, Alaska, Hawaii, Puerto Rico, and all U. S. government installation and agencies abroad.

2. CONTRACTOR'S ORDERING ADDRESS AND PAYMENT INFORMATION**EDI Orders**

Ms. TiTi McNeill
4900 Seminary Rd., Suite 215
Alexandria, VA 22311-1811
Phone: 703-671-9873 X-111
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Mail Orders

TranTech, Inc.
4900 Seminary Rd., Suite 215
Alexandria, VA 22311-1811
Attn: TiTi McNeill

Government Commercial Credit Cards will be acceptable for payment. In addition, bank account information for wire transfer payments will be shown on the invoice.

3. LIABILITY FOR INJURY OR DAMAGE The Contractor shall not be liable for any injury to Government personnel or damage to Government property arising from the use of equipment maintained by the Contractor, unless such injury or damage is due to the fault or negligence of the Contractor.

4. STATISTICAL DATA FOR GOVERNMENT ORDERING OFFICE COMPLETION OF STANDARD FORM 279

Block 9: G. Order/Modification under Federal Schedule
Block 16: Contractor Establishment Code (DUNS): 78-362-6682
Block 31: Woman-owned Business - Yes
Block 35: Walsh Healey Act Manufacturer or Regular Dealer? N/A
Block 36: Contractor's Taxpayer Identification Number (TIN) 54-1525931
CAGE Code: 014R1

5. **FOB DESTINATION:** Destination

6. **COMMERCIAL DELIVERY SCHEDULE**

(a) **Time Of Delivery**

| Items (SIN or NOMENCLATURE): | DELIVERY TIME |
|------------------------------|---------------|
| 132-51 – IT Services | N/A |

(b) **Urgent Requirements** When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering agency, agencies are encouraged, if time permits, to contact the Contractor for the purpose of obtaining accelerated delivery. The Contractor shall replay to the inquiry within 3 workdays after receipt. (Telephonic replies shall be confirmed by the Contractor in writing.) If the Contractor offers an accelerated delivery time acceptable to the ordering agency, any-order(s) placed pursuant to the agreed upon accelerated delivery time frame shall be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract.

7. **DISCOUNT IT Services:** N/A

8. **TRADE AGREEMENTS ACT OF 1979, AS AMENDED** All items are U.S. made end products, designated country end products, Caribbean Basin country end products, Canadian end products, or Mexican end products as defined in the Trade Agreements Act of 1979, as amended.

9. **STATEMENT CONCERNING AVAILABILITY OF EXPORT PACKING** N/A

10. **SMALL REQUIREMENTS** The minimum dollar value of orders to be issued is \$100.00.

11. **MAXIMUM DOLLAR VALUE PER ORDER** \$500,000.00 for all SINs. For training SIN 132-50 is 25K.

12. **USE OF FEDERAL SUPPLY SERVICE INFORMATION TECHNOLOGY SCHEDULE CONTRACTS** In accordance-with FAR 8.404:

[NOTE: Special ordering procedures have been established for Special Item Numbers (SINS) 132-51 (IT Professional Services)]

Orders placed pursuant to a Multiple Award Schedule (MAS), using the procedures in FAR 8.404, are considered to be issued pursuant to full and open competition. Therefore, when placing orders under Federal Supply Schedules, ordering offices need not seek further competition, synopsise the requirement, make a separate determination of fair and reasonable pricing, or consider small business set-asides in accordance with subpart 19.5. GSA has already determined the prices of items under schedule contracts to be fair and reasonable. By placing an order against a schedule using the procedures outlined below, the ordering office has concluded that the order represents the best value and results in the lowest overall cost alternative (considering price, special features administrative costs, etc.) to meet the Government's needs.

- a. Orders Placed At Or Below The Micro-Purchase Threshold** Ordering offices can place orders at or below the micro-purchase threshold with any Federal Supply Schedule Contractor.
- b. Orders Exceeding The Micro-Purchase Threshold But Not Exceeding The Maximum Order Threshold** Orders should be placed with the Schedule Contractor that can provide the supply or service that represents the best value. Before placing an order, ordering offices should consider reasonably available information about the supply or service offered under MAS contracts by using the "GSA Advantage!" on-line shopping service, or by reviewing the catalogs/pricelists of at least three Schedule Contractors and selecting the delivery and other options available under the schedule that meets the agency's needs. In selecting the supply or service representing the best value, the ordering office may consider--
- (1) Special features of the supply or service that are required in effective program performance and that are not provided by a comparable supply or service;
 - (2) Trade-in considerations;
 - (3) Probable life of the item selected as compared with that of a comparable item;
 - (4) Warranty considerations;
 - (5) Maintenance availability;
 - (6) Past performance; and
 - (7) Environmental and energy efficiency considerations.
- c. Orders Exceeding The Maximum Order Threshold** Each schedule contract has an established maximum order threshold. This threshold represents the point where it is advantageous for the ordering office to seek a price reduction. In addition to following the procedures in paragraph b, above, and before placing an order that exceeds the maximum order threshold, ordering offices shall--
- (1) Review additional Schedule Contractors' catalogs/pricelists or use the "GSA Advantage!" on-line shopping service;
 - (2) Based upon the initial evaluation, generally seek price reductions from the Schedule Contractor(s) appearing to provide the best value (considering price and other factors); and
 - (3) After price reductions have been sought, place the order with the Schedule Contractor that provides the best value and results in the lowest overall cost alternative. If further price reductions are not offered, an order may still be placed, if the ordering office determines that it is appropriate.
- NOTE:** For orders exceeding the maximum order threshold, the Contractor may:
- (1) Offer a new lower price for this requirement (the Price Reductions clause is not applicable to orders placed over the maximum order in FAR 52.216-19 Order Limitations);
 - (2) Offer the lowest price available under the contract; or
 - (3) Decline the order (orders must be returned in accordance with FAR 52.216-19.
- d. Blanket Purchase Agreements (BPAs).** The establishment of Federal Supply Schedule BPAs is permitted when following the ordering procedures in FAR 8.404. All schedule contracts contain BPA provisions. Ordering offices may use BPAs to establish accounts with Contractors to fill recurring requirements. BPAs should address the frequency of ordering and invoicing, discounts, and delivery locations and times.
- e. Price Reductions** In addition to the circumstances outlined in paragraph c, above, there may be instances when ordering offices will find it advantageous to request a price reduction. For example, when the ordering office finds a schedule supply or service elsewhere at a lower price or when a BPA is being established to fill recurring requirements, requesting a price reduction could be advantageous. The potential volume of orders under these agreements, regardless of the size of the individual order, may offer the ordering office the opportunity to secure greater discounts. Schedule Contractors are not required to pass on to all schedule users a

price reduction extended only to an individual agency for a specific order.

f. Small Business For orders exceeding the micro-purchase threshold, ordering offices should give preference to the items of small business concerns when two or more items at the same delivered price will satisfy the requirement.

g. Documentation Orders should be documented, at a minimum, by identifying the Contractor the item was purchased from, the item purchased, and the amount paid. If an agency requirement in excess of the micro-purchase threshold is defined so as to require a particular brand-name, product, or feature of a product peculiar to one manufacturer, thereby precluding consideration of a product manufactured by another company, the ordering office shall include an explanation in the file as to why the particular brand name, product, or feature is essential to satisfy the agency's needs.

13. FEDERAL INFORMATION TECHNOLOGY/TELECOMMUNICATION STANDARDS REQUIREMENTS Federal departments and agencies acquiring products from this Schedule must comply with the provisions of the Federal Standards Program, as appropriate (reference: NIST Federal Standards Index). Inquiries to determine whether or not specific products listed herein comply with Federal Information Processing Standards (FIPS) or Federal Telecommunication Standards (FED-STDS), which are cited by ordering offices, shall be responded to promptly by the Contractor.

13.1 Federal Information Processing Standards Publications (FIPS PUBS) Information Technology products under this Schedule that do not conform to Federal Information Processing Standards (FIPS) should not be acquired unless a waiver has been granted in accordance with the applicable "FIPS Publication." Federal Information Processing Standards Publications (FIPS PUBS) are issued by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST), pursuant to National Security Act. Information concerning their availability and applicability should be obtained from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, Virginia 22161. FIPS PUBS include voluntary standards when these are adopted for Federal use. Individual orders for FIPS PUBS should be referred to the NTIS Sales Office, and orders for subscription service should be referred to the NTIS Subscription Officer, both at the above address, or telephone number (703) 487-4650.

13.2 Federal Telecommunication Standards (FED-STDS) Telecommunication products under this Schedule that do not conform to Federal Telecommunication Standards (FED-STDS) should not be acquired unless a waiver has been granted in accordance with the applicable "FED-STD." Federal Telecommunication Standards are issued by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST), pursuant to National Security Act. Ordering information and information concerning the availability of FED-STDS should be obtained from the GSA, Federal Supply Service, Specification Section, 470 East L'Enfant Plaza, Suite 8100, SW, Washington, DC 20407, telephone number (202) 619-8925. Please include a self-addressed mailing label when requesting information by mail. Information concerning their applicability can be obtained by writing or calling the U.S. Department of Commerce, National Institute of Standards and Technology, Gaithersburg, MD 20899, telephone number (301) 975-2833.

14. SECURITY REQUIREMENTS In the event security requirements are necessary, the ordering activities may incorporate, in their delivery orders, a security clause in accordance with current laws, regulations, and individual agency policy; however, the burden of administering the security requirements shall be with the ordering agency. If any costs are incurred as a result of the inclusion of security requirements, such costs will not exceed ten percent (10%) or \$100,000, of the total dollar value of the order, whichever is lesser.

15. CONTRACT ADMINISTRATION FOR ORDERING OFFICES Any ordering office, with respect to any one or more delivery orders placed by it under this contract, may exercise the same rights of termination as might the GSA Contracting Officer under provisions of FAR 52.212-4, paragraphs (1) Termination for the Government's convenience, and (m) Termination for Cause (See C.1.).

16. GSA ADVANTAGE! *GSA Advantage!* is an on-line, interactive electronic information and ordering system that provides on-line access to vendors' schedule prices with ordering information. *GSA Advantage!* will allow the user to perform various searches across all contracts including, but not limited to:

- (1) Manufacturer;
- (2) Manufacturer's Part Number; and
- (3) Product categories.

Agencies can browse *GSA Advantage!* by accessing the Internet World Wide Web utilizing a browser (ex.: Netscape). The Internet address is <http://www.fss.gsa.gov/>.

17. PURCHASE OF INCIDENTAL, NON-SCHEDULE ITEMS For administrative convenience, open market (non-contract) items May be added to a Federal Supply Schedule Blanket Purchase Agreement (BPA) or an individual order, provided that the items are clearly labeled as such on the order, all applicable regulations have been followed, and price reasonableness has been determined by the ordering activity for the open market (non-contract) items.

18. CONTRACTOR COMMITMENTS, WARRANTIES AND REPRESENTATIONS

a. For the purpose of this contract, commitments, warranties and representations include, in addition to those agreed to for the entire schedule contract:

- (1) Time of delivery/installation quotations for individual orders;
- (2) Technical representations and/or warranties of products concerning performance, total system performance and/or configuration, physical, design and/or functional characteristics and capabilities of a product/equipment/ service/software package submitted in response to requirements which result in orders under this schedule contract.
- (3) Any representations and/or warranties concerning the products made in any literature, description, drawings and/or specifications furnished by the Contractor.

b. The above is not intended to encompass items not currently covered by the GSA Schedule contract.

19. OVERSEAS ACTIVITIES The terms and conditions of this contract shall apply to all orders for installation, maintenance and repair of equipment in areas listed in the pricelist outside the 48 contiguous states and the District of Columbia, except as indicated below:

Upon request of the Contractor, the Government may provide the Contractor with logistics support, as available, in accordance with all applicable Government regulations. Such Government support will be provided on a reimbursable basis, and will only be provided to the Contractor's technical personnel whose services are exclusively required for the fulfillment of the terms and conditions of this contract.

20. YEAR 2000 WARRANTY - COMMERCIAL SUPPLY ITEMS (1-FSS-550-A)(AUG 1997)

As used in this clause, "Year 2000 compliant" means information technology that accurately processes date/time data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000 and leap year calculations. Furthermore, Year 2000 compliant information technology, when used in combination with other information technology, shall accurately process date/time if the other information technology properly exchanges date/time data with it.

a. All currently awarded products that are not Year 2000 compliant must be deleted from this contract no later than December 31, 1999.

- b. Any contract modifications, adding new items under clause 552.243-72, Modifications (Multiple Award Schedule), must meet the warranty requirement in paragraph c, below.
- c. The Contractor warrants that each hardware, software, and firmware product delivered under this contract shall be able to accurately process date data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, including leap year calculations, when used in accordance with the product documentation provided by the Contractor, provided that all listed or unlisted products (e.g. hardware, software, firmware) used in combination with such listed product properly exchange date data with it. If the contract requires that specific listed products must perform as a system in accordance with the foregoing warranty, then that warranty shall apply to those listed products as a system. The duration of this warranty and the remedies available to the Government for breach of this warranty shall be as defined in, and subject to, the terms and limitations of the Contractor's standard commercial warranty or warranties contained in this contract, provided that notwithstanding any provision to the contrary in such commercial warranty or warranties, the remedies available to the Government under this warranty shall include repair or replacement of any listed product whose non-compliance is discovered and made known to the Contractor in writing within ninety (90) days after acceptance. Nothing in this warranty shall be construed to limit any rights or remedies the Government may otherwise have under this contract with respect to defects other than Year 2000 performance.

21. BLANKET PURCHASE AGREEMENTS (BPAs) Federal Acquisition Regulation (FAR) 13.201(a) defines Blanket Purchase Agreements (BPAs) as "...a simplified method of filling anticipated repetitive needs for supplies or services by establishing 'charge accounts' with qualified sources of supply. "The use of Blanket Purchase Agreements under the Federal Supply Schedule Program is authorized in accordance with FAR 13.202(c)(3), which reads, in part, as follows:
BPAs may be established with Federal Supply Schedule Contractors, if not inconsistent with the terms of the applicable schedule contract."

Federal Supply Schedule contracts contain BPA provisions to enable schedule users to maximize their administrative and purchasing savings. This feature permits schedule users to set up "accounts" with Schedule Contractors to fill recurring requirements. These accounts establish a period for the BPA and generally address issues such as the frequency of ordering and invoicing, authorized callers, discounts, delivery locations and times. Agencies may qualify for the best quantity/volume discounts available under the contract, based on the potential volume of business that may be generated through such an agreement, regardless of the size of the individual orders. In addition, agencies may be able to secure a discount higher than that available in the contract based on the aggregate volume of business possible under a BPA. Finally, Contractors may be open to a progressive type of discounting where the discount would increase once the sales accumulated under the BPA reach certain prescribed levels. Use of a BPA may be particularly useful with the new Maximum Order feature. See the Suggested Format, contained in this Schedule Pricelist, for customers to consider when using this purchasing tool.

22. CONTRACTOR TEAM ARRANGEMENTS Federal Supply Schedule Contractors may use "Contractor Team Arrangements" (see FAR 9.6) to provide solutions when responding to a customer agency requirements. The policy and procedures outlined in this part will provide more flexibility and allow innovative acquisition methods when using the Federal Supply Schedules. See the additional information regarding Contractor Team Arrangements in this Schedule Pricelist.

23. PAYMENT TERMS Net 30 days.

SERVICES

GENERAL TERMS AND CONDITIONS APPLICABLE TO IT PROFESSIONAL SERVICES FOR SIN 132-51

1. ORDER

- a. Agencies may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks, which extend beyond the fiscal year for which funds are available, shall include FAR 52.232-19 Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.
- b. All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

2. PERFORMANCE OF SERVICES

- a. The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering office.
- b. The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering office.
- c. The Contractor guarantees the satisfactory completion of the IT Services and Products/Maintenance performed under the task order and that all contract personnel utilized in the performance of IT Services and Products/Maintenance under the task order shall have the education, experience, and expertise as stated in the task order.
- d. Any Contractor travel required in-the performance of IT Services and Products/Maintenance must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable-, in effect on the date(s) the travel is performed. Established Federal Government per them rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

3. INSPECTION OF SERVICES The Inspection of Services-Fixed Price (AUG 1996) clause at FAR 52.246-4 applies to firm-fixed price orders placed under this contract. The Inspection-Time-and-Materials and Labor-Hour (JAN 1986) clause at FAR 52.246-6 applies to time-and-materials and labor-hour orders placed under this contract.

4. RESPONSIBILITIES OF THE CONTRACTOR The Contractor shall comply with all laws, ordinances, and -regulations (Federal, State, City, or otherwise) covering work of this character.

5. RESPONSIBILITIES OF THE GOVERNMENT Subject to security regulations, the ordering office shall permit Contractor access to all facilities necessary to perform the requisite IT Services and Products/Maintenance.

6. INDEPENDENT CONTRACTOR All IT Services and Products / Maintenance performed by the Contractor under the terms of this contract shall be as an independent Contractor, and not as an agent or employee of the Government.

7. INVOICES The Contractor, upon completion of the work ordered, shall submit invoices for IT Services and Products/Maintenance. Progress payments may be authorized by the ordering office on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the

preceding month.

8. USA COMMITMENT TO PROMOTE SMALL BUSINESS PARTICIPATION PROCUREMENT PROGRAMS

PREAMBLE

TranTech, Inc. provides commercial products and services to the Federal Government. We are committed to promoting participation of small, small disadvantaged and women-owned small businesses in our contracts. We pledge to provide opportunities to the small business community through reselling opportunities, mentor-protégé programs, joint ventures, teaming arrangements, and subcontracting.

COMMITMENT

- To actively seek and partner with small businesses.
- To identify, qualify, mentor and develop small, small disadvantaged and women-owned small businesses by purchasing from these businesses whenever practical.
- To develop and promote company policy initiatives that demonstrates our support for awarding contracts and subcontracts to small business concerns.
- To undertake significant efforts to determine the potential of small, small disadvantaged and women-owned small business to supply products and services to our company.
- To insure procurement opportunities are designed to permit the maximum possible participation of small, small disadvantaged, and women-owned small businesses.
- To attend business opportunity workshops, minority business enterprise seminars, trade fairs, procurement conferences, etc., to identify and increase small businesses with whom to partner.
- To publicize in our marketing publications our interest in meeting small businesses that may be interested in subcontracting opportunities.
- We signify our commitment to work in partnership with small, small disadvantaged and women-owned small businesses to promote and increase their participation in Federal Government contracts. To accelerate potential opportunities please contact TiTi McNeill, titi.mcneill@trantech-inc.com, Phone (703) 671-9873 and FAX (703) 671-8484.

LABOR CATEGORY DESCRIPTIONS**TT100 - Project Manager I**

The Project Manager I will perform the following key duties: Provide to the government the contractor staff utilization and contractor status reports; oversee and provide technical and managerial direction to contract support staff for contract monitoring and system development activities; recruit and allocate contract resources on contract to be consistent with workload, funding; ensure that all work performed is in compliance with all standards; act as liaison between all contract support staff and the government.

A minimum of six (6) of the last eight (8) years of progressive technical or managerial experience in information resources management.

At least three (3) years of experience within the last five (5) years occupying a project manager position in the software development business demonstrating the duties defined above.

TT101 - Project Manager II

The Project Manager II will perform the following key duties: Provide to the government the contractor staff utilization and contractor status reports; oversee and provide technical and managerial direction to contract support staff for contract monitoring and system development activities; help recruit and allocate contract resources on contract to be consistent with workload, funding; ensure that all work performed is in compliance with all standards; act as liaison between all contract support staff and the government.

A minimum of four (4) of the last six (6) years of progressive technical or managerial experience in information resources management.

At least two (2) years of experience within the last four (4) years occupying a project manager position in the software development business demonstrating the duties defined above.

TT102 - Project Manager III

The Project Manager III will perform the following key duties: develop task work plans which identify required resources, milestones, schedules, and deliverables for completing assigned tasks; analyze organizational or program business needs and requirements; develop comprehensive system test plans; oversee and provides technical and managerial direction to contract support staff performing system development activities; ensure that all work performed is in compliance with all standards; and report the status of contract tasks to the government.

Demonstrated experience, skills, and attributes of the individual requirements for a Systems Analyst or Senior Programmer prior to assignment as Project Manager III.

A minimum of two (2) of the last four (4) years of progressive technical or managerial experience in information resources management.

At least one (1) year of experience within the last three (3) years occupying a project manager position in the software development business demonstrating the duties defined above.

TT150 - Managing Principal/Architect I

- Bachelor's degree in Computer Science, Engineering, or related field
- At least twelve (12) years combined experience in enterprise architecture planning; functional and software requirements analysis and specifications; application systems development planning, software engineering, design and development
- Has five (5) years experience in information systems strategic planning, enterprise architecture planning and information engineering practice
- Develops enterprise application architectures
- Develops or leads the development of detailed data and processing requirements in components of the enterprise application architecture
- Plans new applications development including identification of builds, selection of methodology and tools
- Sequencing and prioritization of modules
- Develop software unit, integration and operational testing strategies
- Evaluate software reuse, reengineering and renewal options for components of the enterprise application architecture
- Designs complex applications for maximum flexibility and adaptability to changing business needs.

TT152 - Managing Principal/Architect II

- Bachelor's degree in Computer Science, Engineering, or related field
- At least ten (10) years combined experience in enterprise architecture planning; functional and software requirements analysis and specifications; application systems development planning, software engineering, design and development
- Has at least three (3) years experience in information systems strategic planning, enterprise architecture planning and information engineering practice
- Develops enterprise application architectures
- Develops or leads the development of detailed data and processing requirements in components of the enterprise application architecture
- Plans new applications development including identification of builds, selection of methodology and tools
- Sequencing and prioritization of modules
- Develop software unit, integration and operational testing strategies
- Evaluate software reuse, reengineering and renewal options for components of the enterprise application architecture
- Designs complex applications for maximum flexibility and adaptability to changing business needs.

TT154 - Managing Principal/Architect III

- Bachelor's degree in Computer Science, Engineering, or related field.
- At least seven (7) years combined experience in enterprise architecture planning; functional and software requirements analysis and specifications; application systems development planning, software engineering, design and development.
- Has two (2) years experience in information systems strategic planning, enterprise architecture planning and information engineering practice.
- Develops enterprise application architectures
- Develops or leads the development of detailed data and processing requirements in components of the enterprise application architecture

- Plans new applications development including identification of builds, selection of methodology and tools
- Sequencing and prioritization of modules
- Develop software unit, integration and operational testing strategies
- Evaluate software reuse, reengineering and renewal options for components of the enterprise application architecture
- Designs complex applications for maximum flexibility and adaptability to changing business needs

TT170 – Principal Subject Matter Expert

Skill Description: Expert in assigned discipline with commensurate experience at the enterprise level to address exceptionally complex business problems and processes relating to the subject matter. Performs high-level business/scientific/mathematical/functional analysis and/or research. Provides advice and expertise to project teams and participates in all phases of development by providing high level functional systems analysis, design, integration, documentation, and implementation advice on exceptionally complex problems which require formal education in the subject matter for effective implementation. Participates and/or leads as needed in all phases of the design and development with emphasis on the planning, analysis, testing, integration, documentation, and acceptance phases. Liaises with other technical personnel, clients, and managers.

Education: Master's degree. Six (6) years specialized experience and a Bachelor's degree relevant to the subject matter may be substituted for the Master's degree.

Experience:

- 1) Generalized: Eight (8) years within the past ten (10) years of intensive and progressive experience performing business/scientific/mathematical analysis and/or research of complex problems and processes including broad-based scientific and engineering projects.
- 2) Specialized: Four (4) years within the past six (6) years of intensive and progressive experience performing scientific/mathematical analysis and/or research of complex problems and processes relating to the subject matter. Must be familiar with the published scientific and engineering literature relating to the subject matter.
- 3) Specific: If assigned as a Task Leader, three (3) years of supervisory experience when leading tasks of four (4) or more persons, or one (1) year supervisory experience when leading tasks of three (3) or fewer persons.

TT175 - Subject Matter Expert I

Skill Description: Principal expert in assigned discipline with commensurate experience to address exceptionally complex problems and processes relating to the subject matter. Performs high-level scientific/mathematical/functional analysis and/or research. Provides advise and expertise to project teams and participate in all phases of development by providing high level functional systems analysis, design, integration, documentation, and implementation advice on exceptionally complex problems which require formal education in the subject matter for effective implementation. Participates as needed in all phases of development with emphasis on the planning, analysis, testing, integration, documentation, and acceptance phases. Responsibilities including directing and/or participating in the design and development of operational prototypes. Liaises with other technical personnel, clients, and managers.

Education: Master's degree. Three (3) years specialized experience and a Bachelor's degree relevant to the subject matter may be substituted for the Master's degree.

Experience:

- 1) Generalized: Five (5) years within the past six (6) years of intensive and progressive experience performing scientific/mathematical analysis and/or research of complex problems and processes including broad-based scientific and engineering projects.
- 2) Specialized: Two (2) years within the past three (3) years of intensive and progressive experience performing scientific/mathematical analysis and/or research of complex problems and processes relating to the subject matter. Must be familiar with the published scientific and engineering literature relating to the subject matter.
- 3) Specific: If assigned as a Task Leader, one (1) year of supervisory experience when leading tasks of four (4) or more persons, or three (3) months supervisory experience when leading tasks of three (3) or less persons.

TT180 Subject Matter Expert II

Skill Description: Functional expert in assigned discipline with commensurate experience to address complex problems and processes relating to the subject matter. Performs high-level scientific/mathematical/functional analysis and/or research. May augment project teams or advise and participate in all phases of development by providing high-level functional systems analysis, design, integration, documentation, and implementation advice on problems, which require formal education in the subject matter for effective implementation. Participates as needed in all phases of development with emphasis on the planning, analysis, testing, integration, documentation, and acceptance phases. May direct and participate in the design and development of operational prototypes. Thinks and works independently and provides technical direction to others. Responsible to interface and communicate with other technical personnel, clients, managers, and subordinates. Prepares technical reports and related documentation. Prepares and delivers presentations and briefings to senior and executive level management.

Education: Bachelor's degree relevant to the subject matter. Fours (4) years specialized experience relevant to subject matter can be accepted in lieu of degree.

Experience:

- 1) Generalized: Four (4) years within the past five (5) years of intensive and progressive experience performing scientific/mathematical analysis and/or research of complex problems and processes including broad-based scientific and engineering projects.
- 2) Specialized: Two (2) years within the past three (3) years of intensive and progressive experience performing scientific/mathematical analysis and/or research of complex problems and processes relating to the subject matter. Must be familiar with the published scientific and engineering literature relating to the subject matter.

TT185 Subject Matter Expert III

Skill Description: Considerable expertise in assigned discipline with commensurate experience to address problems and processes relating to the subject matter. Performs scientific / mathematical / functional analysis and/or research relating directly to the subject matter. May augment project teams or advise and participate in all phases of development by providing functional systems analysis, design, integration, documentation, and implementation advice on complex problems. Participates as needed in all phases of development with emphasis on the planning, analysis, testing, integration, documentation, and acceptance phases. Responsible for interfacing and communicating with other technical personnel, clients, managers, and subordinates. Prepares technical reports, charts, graphs, and related documentation, as well as prepares and delivers presentations and briefings to senior and executive management.

Education: Bachelor's degree (minimum).

Experience:

- 1) Generalized: Three (3) years within the past four (4) years of intensive and progressive experience performing scientific/mathematical analysis and/or research of complex problems and processes including broad-based scientific and engineering projects.
- 2) Specialized: Two (2) years of intensive and progressive experience performing scientific/mathematical/functional analysis and/or research of problems and processes relating to the subject matter.

TT200 - Database Specialist I

The Database Specialist I will perform the following duties: lead in joint applications design efforts to aid in the identification of specific requirements in support of physical database design and operations; review the design, development and implementation documentation to identify potential performance issues; lead application development in unit and integration test phases; perform monitoring, tuning and optimization; and participate in database design, development and implementation for a specific system or set of systems.

Responsible for carrying out assigned database administration tasks, including effective integration of approved applications into the database, measuring efficiency of database hardware and software, tuning the system to improve or maintain overall performance, monitoring the use of the database, and ensuring compliance with standards and procedures; develops criteria and procedures for restart, recovery, and backup of application systems.

At least six (6) years of experience, within the last eight (8) years, in the physical implementation of logically designed databases.

TT201 - Database Specialist II

The Database Specialist II will perform the following duties: participate in joint applications design efforts to aid in the identification of specific requirements in support of physical database design and operations; review the design, development and implementation documentation to identify potential performance issues; assist during application development in unit and integration test phases; assist in performance monitoring, tuning and optimization; and participate in database design, development and implementation for a specific system or set of systems.

Responsible for carrying out assigned database administration tasks, including effective integration of approved applications into the database, measuring efficiency of database hardware and software, tuning the system to improve or maintain overall performance, monitoring the use of the database, and ensuring compliance with standards and procedures; develops criteria and procedures for restart, recovery, and backup of application systems.

At least four (4) years of experience, within the last six (6) years, in the physical implementation of logically designed databases.

TT250 – Sr. Database Designer I

The Sr. Database Designer I will perform the following duties: lead in joint applications design efforts to aid in the identification of specific requirements in support of physical database design and operations; review the design, development and implementation documentation to identify potential performance

issues; lead application development in unit and integration test phases; perform monitoring, tuning and optimization; and participate in database design, development and implementation for a specific system or set of systems.

At least eight (8) years of Full Life Cycle development experience. Expert knowledge of CASE tools, open systems/distributed systems design, networking or RDBMS database administration. Capable of managing multiple projects. Expert at project estimation, risk assessment and work planning. Possesses exceptional analytical skills, leadership ability, problem-solving, and communications skills.

TT255 – Sr. Database Designer II

The Sr. Database Designer II will perform the following duties: lead in joint applications design efforts to aid in the identification of specific requirements in support of physical database design and operations; review the design, development and implementation documentation to identify potential performance issues; lead application development in unit and integration test phases; perform monitoring, tuning and optimization; and participate in database design, development and implementation for a specific system or set of systems.

At least seven (7) years of Full Life Cycle development experience. Thorough knowledge of CASE tools, open systems/distributed systems design, networking or RDBMS database administration. Capable of managing multiple projects. Proficient at project estimation, risk assessment and work planning. Possesses exceptional analytical skills, leadership ability, problem-solving, and communications skills.

TT260 – Sr. Database Designer III

The Sr. Database Designer III will perform the following duties: lead in joint applications design efforts to aid in the identification of specific requirements in support of physical database design and operations; review the design, development and implementation documentation to identify potential performance issues; lead application development in unit and integration test phases; participate in database design, development and implementation for a specific system or set of systems.

At least six (6) years of Full Life Cycle development experience. Thorough knowledge of CASE tools, open systems/distributed systems design, networking or RDBMS database administration. Proficient at project estimation and work planning. Possesses exceptional analytical skills and communications skills.

TT265 – Sr. Database Designer IV

The Sr. Database Designer IV will perform the following duties: review the design, development and implementation documentation to identify potential performance issues; lead application development in unit and integration test phases; participate in database design, development and implementation for a specific system or set of systems.

At least five (5) years of Full Life Cycle development experience. Knowledge of CASE tools, open systems/distributed systems design, networking or RDBMS database administration. Possesses excellent analytical skills and communications skills.

TT300 - Systems Analyst/Programmer I

- Must have at least eight (8) years of experience in computer field, a Bachelor of Science or Bachelor of Arts degree in information systems management, engineering or computer science from an

accredited college or university is required. As a substitute, practical equivalency is defined as a combination of extensive hands on experience (a minimum of 4 years) in computer programming, design, or analysis.

- Must have demonstrated ability to design, develop, install, and maintain information systems for significant business data processing applications.
- Must have the ability to conduct management studies, define information requirements, determine feasibility of proposed solutions and to propose economical, efficient solutions to system problems based on cost effectiveness and other factors.
- Must have the ability to translate requirements into programmer taskings, design and develop programs and databases, integrate existing software systems, test system, develop and present training material and provide software configuration control and documentation.
- At least six (6) years experience implementing information systems through the use of database management systems, statistical packages, GUI, object-oriented, high level programming languages, standard utilities and job control language.
- Must be capable of meeting with all levels of management, program, and technical personnel.

TT301 - Systems Analyst/Programmer II

- Must have at least six (6) years of experience in computer field, a Bachelor of Science or Bachelor of Arts degree in information systems management, engineering or computer science from an accredited college or university is required. As a substitute, practical equivalency is defined as a combination of extensive hands on experience (a minimum of 4 years) in computer programming, design, or analysis.
- Must have demonstrated ability to design, develop, install, and maintain information systems for significant business data processing applications.
- Must have the ability to conduct management studies, define information requirements, determine feasibility of proposed solutions and to propose economical, efficient solutions to system problems based on cost effectiveness and other factors.
- Must have the ability to translate requirements into programmer taskings, design and develop programs and databases, integrate existing software systems, test system, develop and present training material and provide software configuration control and documentation.
- At least four (4) years experience implementing information systems through the use of database management systems, statistical packages, GUI, object-oriented, high level programming languages, standard utilities and job control language.
- Must be capable of meeting with all levels of management, program, and technical personnel.

TT302 - Systems Analyst/Programmer III

- Must have at least four (4) years of experience in computer field, a Bachelor of Science or Bachelor of Arts degree in information systems management, engineering or computer science from an accredited college or university is required. As a substitute, practical equivalency is defined as a combination of extensive hands on experience (a minimum of 4 years) in computer programming, design, or analysis.
- Must have demonstrated ability to design, develop, install, and maintain information systems for significant business data processing applications.
- Must have the ability to translate requirements into programmer taskings, design and develop programs and databases, integrate existing software systems, test system, develop and present training material and provide software configuration control and documentation.
- At least three (3) years experience implementing information systems through the use of database management systems, statistical packages, GUI, object-oriented, high-level programming languages, standard utilities and job control language.

TT303 - Systems Analyst/Programmer IV

- Must have at least two (2) years of experience in computer field, a Bachelor of Science or Bachelor of Arts degree in information systems management, engineering or computer science from an accredited college or university is required. As a substitute, practical equivalency is defined as a combination of extensive hands on experience (a minimum of 4 years) in computer programming, design, or analysis.
- Must have demonstrated ability to design, develop, install, and maintain information systems for significant business data processing applications.
- Must have the ability to translate requirements into programmer taskings, develop programs and databases, test system, develop and present training material and provide software configuration control and documentation.
- At least one year of experience implementing information systems through the use of database management systems, statistical packages, GUI, object-oriented, high-level programming languages, standard utilities and job control language.

TT400 - Senior Software Designer I

- Bachelor's degree in Computer Science, Engineering or related field. As a substitute, practical equivalency is defined as a combination of extensive hands on experience (a minimum of 4 years) in computer programming, design, or analysis.
- At least eight (8) years of general data processing experience.
- At least six (6) years of task leadership, quality assurance and systems requirements using all standards and techniques.
- At least six (6) years experience redesigning existing business processes including integrating results of process redefinition into models.
- At least six (6) years experience developing specifications for systems design, database structures, data capture forms, data conversion procedures, data validation and correction, database query, and reporting procedures.
- At least six (6) years experience implementing information systems through the use of database management systems, statistical packages, GUI, object-oriented, high level programming languages, standard utilities and job control language.
- At least six (6) years experience providing effective technical directions and supervision to software designers and others assigned to work on application development tasks.
- At least six (6) years experience demonstrating effective oral and written communications, including the ability to communicate effectively with management and end users at all levels.

TT401 - Senior Software Designer II

- Bachelor's degree in Computer Science, Engineering or related field. As a substitute, practical equivalency is defined as a combination of extensive hands on experience (a minimum of 4 years) in computer programming, design, or analysis.
- At least five (5) years of general data processing experience.
- At least three (3) years of task leadership, quality assurance and systems requirements using all standards and techniques.
- At least five (5) years experience redesigning existing business processes including integrating results of process redefinition into models.
- At least five (5) years experience developing specifications for systems design, database structures,

data capture forms, data conversion procedures, data validation and correction, database query, and reporting procedures.

- At least five (5) years experience implementing information systems through the use of database management systems, statistical packages, GUI, object-oriented, high level programming languages and standard utilities.
- At least three (3) years experience providing effective technical directions to software designers and others assigned to work on application development tasks.
- At least three (3) years experience demonstrating effective oral and written communications, including the ability to communicate effectively with upper management and end users at all levels.

TT500 - Database Administrator I

- Bachelor's degree in Computer Science, Engineering, or related field. As a substitute, practical equivalency is defined as a combination of extensive hands on experience (a minimum of 4 years) in computer programming, design, or analysis.
- At least twelve (12) years in computer industry.
- At least four (4) years experience with client/server, GUI environment.
- At least four (4) years experience as DBA (Oracle, Sybase, Informix, etc.) including:
 - a) Installing, upgrading, establishing, and maintaining table spaces, rollback segments, space allocation, tables, view, database triggers, stored procedures, schema, roles, profiles, and synonyms on multiple servers.
 - b) Establishing database replication and snapshot, monitoring sessions, and performing backup/recovery functions together with archiving redo log files.
 - c) Performing all table analysis, optimization, and tuning.
 - d) Developing and implementing migration plans between development instances, test instances, and production instances.
- At least four (4) years experience coordinating, training, and supervising user training activities.
- At least eight (8) years progressively more responsible experience analyzing and defining system requirements, developing detailed system and program specifications, and developing automated information system programs using fourth or fifth generation languages such as SQL*Forms, SQL*Plus, Stored Procedures and Packages, Visual Basic or PowerBuilder with relational database management systems such as Oracle, Sybase, Informix and Ingres.
- At least eight (8) years experience demonstrating effective oral and written communications skills to upper management and end-users at all levels.

TT501 - Database Administrator II

- Bachelor's degree in Computer Science, Engineering, or related field. As a substitute, practical equivalency is defined as a combination of extensive hands on experience (a minimum of 4 years) in computer programming, design, or analysis.
- At least ten (10) years in computer industry.
- At least three (3) years experience with client/server, GUI environment.
- At least three (3) years experience as DBA (Oracle, Sybase, Informix, etc.) including:
 - a) Installing, upgrading, establishing, and maintaining table spaces, rollback segments, space allocation, tables, view, database triggers, stored procedures, schema, roles, profiles, and synonyms on multiple servers.
 - b) Establishing database replication and snapshot, monitoring sessions, and performing backup/recovery functions together with archiving redo log files.

- c) Performing all table analysis, optimization, and tuning.
- d) Developing and implementing migration plans between development instances, test instances, and production instances.
- At least two (2) years experience coordinating, training, and supervising user training activities.
- At least six (6) years progressively more responsible experience analyzing and defining system requirements, developing detailed system and program specifications, and developing automated information system programs using fourth of fifth generation languages such as SQL*Forms, SQL*Plus, Stored Procedures and Packages, Visual Basic or PowerBuilder with relational database management systems such as Oracle, Sybase, Informix and Ingres.
- At least six (6) years experience demonstrating effective oral and written communications skills to upper management and end-users at all levels.

TT502 - Database Administrator III

- Bachelor's degree in Computer Science, Engineering, or related field. As a substitute, practical equivalency is defined as a combination of extensive hands on experience (a minimum of 4 years) in computer programming, design, or analysis.
- At least eight (8) years in computer industry.
- At least two (2) years experience with client/server, GUI environment.
- At least two (2) years experience as DBA (Oracle, Sybase, Informix, etc.) including:
 - a) Installing, upgrading, establishing, and maintaining table spaces, rollback segments, space allocation, tables, view, database triggers, stored procedures, schema, roles, profiles, and synonyms.
 - b) Establishing snapshot, monitoring sessions, and performing backup/recovery functions together with archiving redo log files.
 - c) Performing all table analysis and tuning.
 - d) Developing and implementing migration plans between development instances, test instances, and production instances.
- At least two (2) years experience coordinating, training, and supervising user training activities.
- At least four (4) years progressively more responsible experience analyzing and defining system requirements, developing detailed system and program specifications, and developing automated information system programs using fourth of fifth generation languages such as SQL*Forms, SQL*Plus, Stored Procedures and Packages, Visual Basic or PowerBuilder with relational database management systems such as Oracle, Sybase, Informix and Ingres.
- At least four (4) years experience demonstrating effective oral and written communications skills to upper management and end-users at all levels.

TT503 - Database Administrator IV

- Bachelor's degree in Computer Science, Engineering, or related field. As a substitute, practical equivalency is defined as a combination of extensive hands on experience (a minimum of 2 years) in computer programming, design, or analysis.
- At least six (6) years in computer industry.
- At least three (3) years experience with client/server, GUI environment.
- At least one (1) year experience as DBA (Oracle, Sybase, Informix, etc.) including:
 - a) Installing, upgrading, and maintaining table spaces, rollback segments, space allocation, tables, view, roles, profiles, and synonyms.
 - b) Establishing snapshot, monitoring sessions, and performing backup/recovery functions together with archiving redo log files.
 - c) Performing all table analysis and tuning.

- At least two (2) years progressively more responsible experience analyzing and defining system requirements, developing detailed system and program specifications, and developing automated information system programs using fourth or fifth generation languages such as SQL*Forms, SQL*Plus, Stored Procedures and Packages, Visual Basic or PowerBuilder with relational database management systems such as Oracle, Sybase, Informix and Ingres.
- At least two (2) years experience demonstrating effective oral and written communications skills to upper management and end-users at all levels.

TT504 - Database Administrator V

- Bachelor's degree in Computer Science, Engineering, or related field. As a substitute, practical equivalency is defined as a combination of extensive hands on experience (a minimum of 2 years) in computer programming, design, or analysis.
- At least four (4) years in computer industry.
- At least two (2) years experience with client/server, GUI environment.
- At least one (1) year experience as DBA (Oracle, Sybase, Informix, etc.) including:
 - a) Installing, upgrading, and maintaining table spaces, rollback segments, space allocation, tables, view, roles, profiles, and synonyms.
 - b) Establishing snapshot, monitoring sessions, and performing backup/recovery functions together with archiving redo log files.
 - c) Performing all table analysis and tuning.
- At least two (2) years progressively more responsible experience analyzing and defining system requirements, developing detailed system and program specifications, and developing automated information system programs using fourth or fifth generation languages such as SQL*Forms, SQL*Plus, Stored Procedures and Packages, Visual Basic or PowerBuilder with relational database management systems such as Oracle, Sybase, Informix and Ingres.
- At least one (1) year experience demonstrating effective oral and written communications skills to end-users at all levels.

TT552 - Telecommunications Engineer/Principal III

- Bachelor's degree in management information systems, computer science, engineering or related field is required. A minimum of four (4) years general networking and/or telecommunications experience may be substituted for the above degrees.
- Minimum of eight (8) years experience with communications system design and implementation.
- Minimum of four (4) years hands-on experience with technologies associated with providing high-speed communications for information services, voice and data communications, and wireless communications systems.
- Must be able to evaluate and recommend security architecture using firewalls, cryptology, and network access mechanisms and familiar with network security policy and procedure.
- Must demonstrate experience in LAN, MAN, and WAN networking, communications, Internet and Intranet.
- Must possess the ability to provide detailed designs to meet the requirements of each service request. Detailed designs include identification of affected topology and components, special equipment requirements, security requirements, wiring and schematic diagrams, connector and interface requirements, primary and emergency power requirements, and cost breakout.
- A minimum of two (2) years experience working with telecommunications is required.

- Must possess the ability to design, develop and implement networking solutions and must have the ability to develop and present training material.
- Must be capable of meeting with all levels of management and technical personnel and must possess effective communication skills, both oral and written.

TT600 - Communications Engineer I

- A Bachelor's degree in management information systems, computer science, engineering or related field is required. A minimum of four (4) years general networking and/or communications experience may be substituted for the above degrees.
- Minimum of eight (8) years experience with communications system design and implementation.
- Must demonstrate experience in LAN, MAN, and WAN networking and communications.
- Must possess the ability to provide detailed designs to meet the requirements of each service request. Detailed designs include identification of affected topology and components, special equipment requirements, security requirements, wiring and schematic diagrams, connector and interface requirements, primary and emergency power requirements, and cost breakout.
- A minimum of two (2) years experience working with Microcomputers and telecommunications are required.
- Must possess the ability to design, develop and implement networking solutions and must have the ability to develop and present training material.
- Must be capable of meeting with all levels of management and technical personnel and must possess effective communication skills, both oral and written.

TT601 - Communications Engineer II

- A Bachelor's degree in management information systems, computer science, engineering or related field is required. A minimum of four (4) years general networking and/or communications experience may be substituted for the above degrees.
- Minimum of six (6) years experience with communications system design and implementation.
- Must demonstrate experience in local and wide area networking and communications.
- Must possess the ability to provide detailed designs to meet the requirements of each service request. Detailed designs include identification of affected topology and components, special equipment requirements, security requirements, wiring and schematic diagrams, connector and interface requirements, primary and emergency power requirements, and cost breakout.
- A minimum of two (2) years experience working with microcomputers and telecommunications are required.
- Must possess the ability to design, develop and implement networking solutions and must have the ability to develop and present training material.
- Must be capable of meeting with all levels of management and technical personnel and must possess effective communication skills, both oral and written.

TT602 - Communications Engineer III

- A Bachelor's degree in management information systems, computer science, engineering or related field is required. A minimum of four (4) years general networking and/or communications experience may be substituted for the above degrees.
- Minimum of four (4) years experience with communications system design and implementation.
- Must demonstrate experience in local and wide area networking and communications.
- Must possess the ability to provide designs including topology and components, special equipment

requirements, wiring and schematic diagrams, connector and interface requirements, primary and emergency power requirements.

- A minimum of two (2) years experience working with Microcomputers and telecommunications are required.
- Must be capable of meeting with all levels of management and technical personnel and must possess effective communication skills, both oral and written.

TT611 - Security Specialist II

- A Bachelor's degree in management information systems, computer science, engineering or related field is required. A minimum of four (4) years general networking and/or communications experience may be substituted for the above degrees.
- At least eight (8) years specialized engineering and project management experience in information and telecommunications security systems design, integration, and testing. Background should comprise systems operations, vulnerability and risk assessment.
- Must be familiar with network security policies and procedures, requirements definition, threat analysis and risk containment, and disaster recovery planning.
- Must be familiar with COMPUSEC, COMSEC, INFOSEC, TEMPEST, and Rainbow series.
- Hands-on with security design and analysis of information systems, assesses the technical impact of System High security requirements, and integrates disparate information warfare policies and principles, requirements, and specifications.
- Must be capable of meeting with all levels of management and technical personnel and must possess effective communication skills, both oral and written.

TT620 - Local Area Network (LAN) Technician I

- Four (4) years experience with LAN. Prefer to have a LAN certification.
- A knowledge of the capabilities and limitations of LAN and their operating systems.
- Proficiency in independently maintaining LAN and/or Wide Area Network (WAN), following established guidelines.
- Skill in the installation of new LANs.
- Document the system in an organized, up-to-date format.
- Install network hardware including the file server and a tape backup unit.
- Install the network operating system, E-mail, and all applications.
- Interpersonal skills needed to function in an environment frequently populated by multiple audiences with differing and, often conflicting agendas.
- Three (3) years of specific experience with administering LANs in a multiple LAN and WAN configuration.
- Keep system documentation in a well-organized manner that is current.
- Maintain ongoing user support that assures all staff members can complete work assignments using all available network resources.
- Maintain an efficient file server structure with respect to network directories and user access through login scripts.
- Perform normal day-to-day functions on the network such as backing up the system, adding and deleting users; assigning security and trustee rights, changing passwords, etc.
- Perform fault isolation and resolution of all network-related problems.
- Manage network printer problems.
- Maintain all communications from the network to whatever resources are established as necessary for the office, including continued support for gateway access to mainframes and the Internet.

- Measure network performance for optimum use and make adjustments as required.
- Attend regular training courses and read network technical publications to remain aware of current LAN enhancements and new technologies.
- Assume responsibility for the physical security of the network hardware and the data maintained on the network.
- Maintain and update all manufacturers' warranties and upgrade policies.
- Certified by Network Software Vendor as a Network Administrator.

TT621 - Local Area Network (LAN) Technician II

- Three (3) years of specific Network engineering experience.
 - A knowledge of the capabilities and limitations of LANs and their operating systems.
 - Proficiency in independent planning for the installation of LANs.
 - Skill in the installation of new LANs.
 - Interpersonal skills needed to function in an environment frequently populated by multiple audiences with differing and, often conflicting, agendas.
 - Document the system in an organized, up-to-date format.
 - Install network hardware including the file server and a tape backup unit.
 - Install the network operating system, E-mail, and all applications.
 - Install and develop efficient directory structures. Install and develop data security and client permissions and rights from the directory to the file level.
 - Establish network and local printing services.
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- Install and configure local workstations, printers and related peripherals including workstation software.
 - Develop an alternative backup system to minimize downtime for LAN clients when network resources are not available.
 - Establish a method to protect network hardware from intentional or inadvertent physical damage.

TT622 - Local Area Network (LAN) Technician III

- One (1) year of specific Network engineering experience.
- A knowledge of the capabilities and limitations of LAN and their operating systems.
- Skill in the installation of new LANs.
- Document the system in an organized, up-to-date format.
- Install network hardware including the file server and a tape backup unit.
- Install the network operating system, E-mail, and all applications.
- Establish network and local printing services.
- Install and configure local workstations, printers and related peripherals including workstation software.
- Establish a method to protect network hardware from intentional or inadvertent physical damage.

TT700 - Senior PC Technician I

- Bachelor's degree in general data processing field or equivalent practical hands-on experience of 4 years.
- At least four (4) years in computer industry providing fundamental PC hardware and software support including software installations and configuration of peripherals (disk drives, printers, and backup devices)

- At least two (2) years experience removing and replacing disk drive, memory boards, and network interface cards.
- At least two (2) years experience utilizing PC repair software such as Norton Utilities, Xtree Pro Gold.
- At least two (2) years experience working with Windows and DOS including constructing batch files or macros using operating system commands.
- At least two (2) years experience with Commercial Off-The-Shelf Office Automation products including WordPerfect, Microsoft Word, Lotus, Excel spreadsheet, Harvard Graphics, or PowerPoint graphics software.
- At least two (2) years experience with communications software and client interface.
- At least two (2) years experience providing oral and written communications skills, including the ability to communicate effectively with end users at all levels.

TT701 - Senior PC Technician II

- Bachelor's degree in general data processing field or equivalent practical hands-on experience of 4 years.
- At least two (2) years in computer industry providing fundamental PC hardware and software support including software installations and configuration of peripherals (disk drives, printers, and backup devices)
- At least one (1) year experience utilizing PC repair software such as Norton Utilities, Xtree Pro Gold.
- At least one (1) year experience working with Windows and DOS including constructing batch files or macros using operating system commands.
- At least one (1) year experience with Commercial Off-The-Shelf Office Automation products including WordPerfect, Microsoft Word, Lotus, Excel spreadsheet, Harvard Graphics, or PowerPoint graphics software.
- At least one (1) year experience with communications software and client interface.
- At least one (1) year experience providing oral and written communications skills, including the ability to communicate effectively with end users.

TT800 - Quality Assurance Specialist

- Bachelor's degree in a related field, with five (5) years of engineering and/or system analysis and programming experience, including two (2) years of test quality assurance experience.
- Organizes and maintains all testing quality assurance documentation required.
- Responsible for ensuring compliance with recognized standards and practices.
- Reviews all related documentation for completeness, accuracy and correctness.
- Supports the test and integration personnel as a witness to testing requirements.
- Certifies that all deliverables have met all quality requirements.

TT805 - Technical Draft Person/CAD Operator

- Must have an Associates Degree or Certificate in Technical Drafting.
- Experienced in the use of Computer Aided Design (CAD) tools to produce technical diagrams and blueprints.
- Draw detailed layouts of telephone communication rooms with racks, subrack, chassis, and cabling.
- Update, maintain and document all drawing files of network facilities, rack layouts and equipment.

TT950 - Technical Writer I

- Bachelor's degree in English or a related field with at least five (5) years of related experience including three (3) years of specialized experience with technical writing and documentation pertaining to all aspects of information systems organizations.
- Must be able to gather, analyze, and translate technical information into clear, readable documents to be used by technical and non-technical personnel, and compose technical information. Conduct research and ensure the use of proper technical terminology.
- Must be able to work independently or under general direction.
- Has specialized experience preparing technical documentation, which includes researching for applicable government and industry documentation standards.

TT951 - Technical Writer II

- Bachelor's degree in English or a related field with at least three (3) years of related experience including three (2) years of specialized experience with technical writing and documentation pertaining to all aspects of information systems organizations.
- Must be able to gather, analyze, and translate technical information into clear, readable documents to be used by technical and non-technical personnel, and compose technical information. Conduct research and ensure the use of proper technical terminology.
- Must be able to work independently or under general direction.
- Has specialized experience preparing technical documentation, which includes researching for applicable government and industry documentation standards.

TT960 - Software QA Specialist/Tester I

- Bachelor's degree with at least five (5) years of related experience including three (3) years of specialized experience testing all aspects of software applications including writing test plan, test case, test procedure, and test data.
- Must be able to perform unit test, system test, user acceptance test, software quality assurance, verification and validation.
- Must be able to lead the project and/or group of testers.

TT962 - Software QA Specialist/Tester III

- Bachelor's degree with at least three (3) years of related experience including two (2) years of specialized experience testing all aspects of software applications including writing test plan, test case, test procedure, and test data.
- Must be able to perform unit test, system test, user acceptance test, and software quality assurance.
- Must be able to work independently or under general direction.

TT990 - Clerical Support I

- Must be a high school graduate, with at least five (5) years of related experience including three (3) years of specialized experience with information systems organizations.
- Plans, manages, and coordinates documentation of all aspects of the system life cycle for projects.
- Writes, edits, and rewrites material of a technical nature.

- Prepares related technical documentation for presentations.
- Possesses excellent writing, word processing and spreadsheet skills.
- Must be knowledgeable of software operations and be able to verbally communicate effectively.

LIST OF IT SERVICES AND NAICS CODES

TranTech offers a wide range of information technology solutions that solve our clients challenging problems. Our services include:

- Enterprise Information Management
- IT Convergence / Consolidation
- Enterprise Network Services
- Next Generation IT Managed Services
- Next Generation Net-Centric Solutions
- Industry Best Practice IT Management

TranTech operates under the following **NAICS Codes:**

| | | |
|--------|--|-----------------|
| 519130 | Internet Publishing and Broadcasting | 500 employees |
| 517110 | Wired Telecommunications Carriers | 1,500 employees |
| 541519 | Information Technology Value Added Resellers | 150 employees |
| 541712 | Research and Development in the Physical, Engineering, and Life Sciences | 500 employees |
| 561210 | Facilities Support Services | \$30 million |

| GSA Schedule 70 - IT Services GS-35F-4382G | | | | | | |
|---|---|-------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Effective dates: Jan 17, 2008 thru March 31, 2012 | | | | | | |
| 01/17/08 | TranTech, Inc. | | | | | |
| Code | Labor Category | GSA Sched Rates FY08 | GSA Sched Rates FY09 (3.9%) | GSA Sched Rates FY10 (3.9%) | GSA Sched Rates FY11 (3.9%) | GSA Sched Rates FY12 (3.9%) |
| TT100 | Project Manager I | \$118.76 | \$123.39 | \$128.20 | \$133.20 | \$138.40 |
| TT101 | Project Manager II | \$112.23 | \$116.61 | \$121.15 | \$125.88 | \$130.79 |
| TT102 | Project Manager III | \$110.15 | \$114.45 | \$118.91 | \$123.55 | \$128.37 |
| TT150 | Managing Principal/Architect I | \$197.66 | \$205.37 | \$213.38 | \$221.70 | \$230.35 |
| TT152 | Managing Principal/Architect II | \$177.29 | \$184.20 | \$191.39 | \$198.85 | \$206.61 |
| TT154 | Managing Principal/Architect III | \$140.54 | \$146.02 | \$151.72 | \$157.63 | \$163.78 |
| TT170 | Principal Subject Matter Expert | \$312.61 | \$324.80 | \$337.47 | \$350.63 | \$364.30 |
| TT175 | Subject Matter Expert I | \$275.28 | \$286.02 | \$297.17 | \$308.76 | \$320.80 |
| TT180 | Subject Matter Expert II | \$204.09 | \$212.05 | \$220.32 | \$228.91 | \$237.84 |
| TT185 | Subject Matter Expert III | \$189.65 | \$197.05 | \$204.73 | \$212.72 | \$221.01 |
| TT200 | Database Specialist I | \$96.53 | \$100.29 | \$104.21 | \$108.27 | \$112.49 |
| TT201 | Database Specialist II | \$88.27 | \$91.71 | \$95.29 | \$99.01 | \$102.87 |
| TT250 | Sr. Database Designer I | \$136.24 | \$141.55 | \$147.07 | \$152.81 | \$158.77 |
| TT255 | Sr. Database Designer II | \$124.25 | \$129.10 | \$134.13 | \$139.36 | \$144.80 |
| TT260 | Sr. Database Designer III | \$120.36 | \$125.05 | \$129.93 | \$135.00 | \$140.26 |
| TT265 | Sr. Database Designer IV | \$111.35 | \$115.69 | \$120.20 | \$124.89 | \$129.76 |
| TT300 | Systems Analyst/Programmer I | \$90.22 | \$93.74 | \$97.39 | \$101.19 | \$105.14 |
| TT301 | Systems Analyst/Programmer II | \$89.55 | \$93.04 | \$96.67 | \$100.44 | \$104.36 |
| TT302 | Systems Analyst/Programmer III | \$80.72 | \$83.87 | \$87.14 | \$90.54 | \$94.07 |
| TT303 | Systems Analyst/Programmer IV | \$66.47 | \$69.06 | \$71.76 | \$74.55 | \$77.46 |
| TT400 | Software Designer I | \$96.39 | \$100.15 | \$104.06 | \$108.11 | \$112.33 |
| TT401 | Software Designer II | \$95.85 | \$99.59 | \$103.47 | \$107.51 | \$111.70 |
| TT500 | Database Administrator I | \$147.35 | \$153.10 | \$159.07 | \$165.27 | \$171.72 |
| TT501 | Database Administrator II | \$141.84 | \$147.37 | \$153.11 | \$159.09 | \$165.29 |
| TT502 | Database Administrator III | \$125.92 | \$130.83 | \$135.93 | \$141.23 | \$146.74 |
| TT503 | Database Administrator IV | \$101.37 | \$105.32 | \$109.43 | \$113.70 | \$118.13 |
| TT504 | Database Administrator V | \$99.45 | \$103.33 | \$107.36 | \$111.55 | \$115.90 |
| TT552 | Telecomm Engineer/Principal III | \$127.41 | \$132.38 | \$137.54 | \$142.91 | \$148.48 |
| TT600 | Communications Engineer I | \$113.88 | \$118.32 | \$122.94 | \$127.73 | \$132.71 |
| TT601 | Communications Engineer II | \$96.06 | \$99.81 | \$103.70 | \$107.74 | \$111.95 |
| TT602 | Communications Engineer III | \$83.12 | \$86.36 | \$89.73 | \$93.23 | \$96.87 |
| TT611 | Security Specialist II | \$142.66 | \$148.22 | \$154.00 | \$160.01 | \$166.25 |
| TT620 | Local Area Network (LAN) Technician I | \$74.56 | \$77.47 | \$80.49 | \$83.63 | \$86.89 |
| TT621 | Local Area Network (LAN) Technician II | \$62.13 | \$64.55 | \$67.07 | \$69.69 | \$72.40 |
| TT622 | Local Area Network (LAN) Technician III | \$55.41 | \$57.57 | \$59.82 | \$62.15 | \$64.57 |
| TT700 | Senior PC Technician I | \$78.37 | \$81.43 | \$84.60 | \$87.90 | \$91.33 |
| TT701 | Senior PC Technician II | \$56.58 | \$58.79 | \$61.08 | \$63.46 | \$65.94 |
| TT800 | Quality Assurance Specialist | \$71.82 | \$74.62 | \$77.53 | \$80.55 | \$83.70 |
| TT805 | Technical Draft Person/CAD Operator | \$54.23 | \$56.35 | \$58.55 | \$60.83 | \$63.20 |
| TT950 | Technical Writer I | \$75.00 | \$77.93 | \$80.96 | \$84.12 | \$87.40 |
| TT951 | Technical Writer II | \$69.16 | \$71.86 | \$74.66 | \$77.57 | \$80.60 |
| TT960 | Software QA Specialist/Tester I | \$94.94 | \$98.64 | \$102.49 | \$106.49 | \$110.64 |
| TT962 | Software QA Specialist/Tester III | \$69.73 | \$72.45 | \$75.27 | \$78.21 | \$81.26 |
| TT990 | Clerical Support | \$34.01 | \$35.34 | \$36.71 | \$38.15 | \$39.63 |