

**AUTHORIZED FEDERAL ACQUISITION SERVICE
INFORMATION TECHNOLOGY SCHEDULE PRICELIST
GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY EQUIPMENT, SOFTWARE
AND SERVICES**

Note: Contractor has been awarded all Special Item Numbers under the Cooperative Purchasing and Disaster Recovery Programs.

SPECIAL ITEM NUMBER 132-32 - TERM SOFTWARE LICENSES

Microcomputer
Application Software

SPECIAL ITEM NUMBER 132-33 - PERPETUAL SOFTWARE LICENSES

Microcomputer
Application Software

SPECIAL ITEM NUMBER 132-51 - INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES

FPDS Code D301	IT Facility Operation and Maintenance
FPDS Code D302	IT Systems Development Services
FPDS Code D306	IT Systems Analysis Services
FPDS Code D307	Automated Information Systems Design and Integration Services
FPDS Code D308	Programming Services
FPDS Code D310	IT Backup and Security Services
FPDS Code D311	IT Data Conversion Services
FPDS Code D313	Computer Aided Design/Computer Aided Manufacturing (CAD/CAM) Services
FPDS Code D316	IT Network Management Services
FPDS Code D317	Creation/Retrieval of IT Related Automated News Services, Data Services, or Other Information Services (All other information services belong under Schedule 76)
FPDS Code D399	Other Information Technology Services, Not Elsewhere Classified

SPECIAL ITEM NUMBER 132-52 - ELECTRONIC COMMERCE AND SUBSCRIPTION SERVICES

FPDS Code D399 Other Data Transmission Services, Not Elsewhere Classified - Except "Voice" and Pager Services

SPECIAL ITEM NUMBER 132-62 HSPD-12 PRODUCT AND SERVICE COMPONENTS (FPDS D399)

Personal Identity Verification (PIV) Credentials and Services. This facilitates trusted physical and electronic access to government facilities and networks using smart card technology. PIV Credentials and Services is a key enabler of identity assurance for access control and protects Federal facilities and information systems from unauthorized access, interception, and tampering.

Note 1: All non-professional labor categories must be incidental to and used solely to support hardware, software and/or professional services, and cannot be purchased separately.

Note 2: Offerors and Agencies are advised that the Group 70 – Information Technology Schedule is not to be used as a means to procure services which properly fall under the Brooks Act. These services include, but are not limited to, architectural, engineering, mapping, cartographic production, remote sensing, geographic information systems, and related services. FAR 36.6 distinguishes between mapping services of an A/E nature and mapping services which are not connected nor incidental to the traditionally accepted A/E Services.

Note 3: This solicitation is not intended to solicit for the reselling of IT Professional Services, except for the provision of implementation, maintenance, integration, or training services in direct support of a product. Under such circumstances the services must be performance by the publisher or manufacturer or one of their authorized agents.



Vencore Services and Solutions Inc.
11091 Sunset Hills Road, Suite 200, Reston, VA 20190
Phone: 619-321-6173
www.vencore.com

Contract Number: GS-35F-4674H
Period Covered by Contract: 21 October 1997 — 20 October 2017
Pricelist current through Modification PS-0057, dated February 25, 2015.

Products and ordering information in this Authorized FAS Information Technology Schedule Pricelist are also available on the GSA Advantage! System. Agencies can browse GSA Advantage! by accessing the Federal Acquisition Service's Home Page via the Internet at <http://www.gsa.gov/fas>

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**INFORMATION FOR ORDERING ACTIVITIES
APPLICABLE TO ALL SPECIAL ITEM NUMBERS**

- 1a. Special Item Numbers:** *132-32 – Term Software License*
132-33 – Perpetual Software License
132-51 – Information Technology Professional Services
132-52 – Electronic Commerce and Subscription Services
132-62 - Homeland Security Presidential Directive 12 Product and Service Components
- 1b. Lowest priced model and lowest unit prices:** See attached pricelist
- 1c. Labor Category Descriptions:** See Page 15
- 2. Maximum Order:**
- a. The Maximum Order value for the following Special Item Numbers (SINs) is \$500,000:
Special Item Number 132-32 - Term Software Licenses
Special Item Number 132-33 - Perpetual Software Licenses
Special Item Number 132-51 - Information Technology (IT) Professional Services
Special Item Number 132-52 – Electronic Commerce and Subscription Services
- b. The Maximum Order for the following Special Item Numbers (SIN) is \$1,000,000:
Special Item Number 132-62 – HSPD-12 Product and Service Components
- 3. Minimum Order:** \$100.00
- 4. Geographic Coverage:** Geographic scope of contract includes all U.S. states (CONUS) and the District of Columbia. Services can be provided in U.S. territories and (OCONUS) foreign locations subject to mutual agreement in any resulting delivery order.
- 5. Points of Production:** United States
- 6. Discount from List Prices:** Prices shown are NET Prices; Basic Discounts have been deducted.
- 7. Quantity Discounts:** N/A
- 8. Prompt Payment Terms:** 38%, 20 days; Net 30 days from receipt of invoice or date of acceptance, whichever is later.
- 9a. Acceptance of Government purchase cards below micro- purchase threshold:** Accepts Government Purchase Cards below the micro-purchase threshold.
- 9b. Acceptance of Government purchase cards above micro-purchase threshold:** Accepts Government Purchase Cards above the micro-purchase threshold.
- 10. Foreign Items:** None
- 11a. Time of Delivery:**
- | SPECIAL ITEM NUMBER | DELIVERY TIME (Days ARO) |
|---------------------|---------------------------------|
| 132-32 & 132-33 | 30 Days |
| 132-51 & 132-52 | As required by individual order |
| 132-62 | As required by individual order |

- 11b. Expedited Delivery:** To be negotiated per each delivery order.
- 11c. Overnight and Two-day Delivery:** To be negotiated per each delivery order.
- 11d. Urgent Requirements:** Contact Vencore Services and Solutions for urgent requirements.
- 12. F.O.B Points:** Destination
- 13a. Ordering Address:**
- Vencore Services and Solutions, Inc.
11091 Sunset Hills Road
Reston, VA 20190
Attn: Geoffrey Vance
619-321-6173
Duns: 827599759
CAGE: 57SH7
- Vencore Services and Solutions, Inc.
890 Explorer Blvd.
Huntsville, AL 35806-2832
CAGE: 59PM9
- Vencore Services and Solutions, Inc.
2677 Prosperity Ave., Ste. 400
Fairfax, VA 22031-4929
Phone: 703-852-3661
CAGE: 57SH7
- 13b. Ordering Procedures:** For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPAs), and a sample BPA can be found at the GSA/FSS Schedule homepage (fss.gsa.gov/schedules).
- 14. Payment Address:**
- Vencore Services and Solutions, Inc.
100 Sun Avenue NE, Suite 500
Albuquerque, NM 87109
Attn: Accounts Payable
- 15. Warranty Provision:** Standard Commercial Warranty
- 16. Export Packing Charges:** N/A
- 17. Terms and conditions of Government commercial credit card acceptance:** None.
- 18. Terms and conditions of Government rental, maintenance, and repair:** N/A
- 19. Terms and conditions of installation:** N/A
- 20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices:** N/A
- 20a. Terms and conditions for any other services:** N/A
- 21. List of service and distribution points:** N/A

- 22. **List of participating dealers:** N/A
- 23. **Preventive Maintenance:** N/A
- 24a. **Special attributes such as environmental attributes:** Not Applicable.
- 24b. **508 Compliance Information:** Yes
- 25. **Data Universal Number (DUNS) Number:** 827599759
- 26. **Notification regarding registration in CCR database:** Vencore Services and Solutions, Inc. is registered in the System for Award Management (SAM) database.
Cage Code: 57SH7

TERMS AND CONDITIONS APPLICABLE TO TERM SOFTWARE LICENSES (SPECIAL ITEM NUMBER 132-32), PERPETUAL SOFTWARE LICENSES (SPECIAL ITEM NUMBER 132-33) OF GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY SOFTWARE

1. INSPECTION/ACCEPTANCE

The Contractor shall only tender for acceptance those items that conform to the requirements of this contract. The ordering activity reserves the right to inspect or test any software that has been tendered for acceptance. The ordering activity may require repair or replacement of nonconforming software at no increase in contract price. The ordering activity must exercise its post acceptance rights (1) within a reasonable time after the defect was discovered or should have been discovered; and (2) before any substantial change occurs in the condition of the software, unless the change is due to the defect in the software.

2. ENTERPRISE USER LICENSE AGREEMENTS REQUIREMENTS (EULA)

The Software License Agreements is attached.

3. GUARANTEE/WARRANTY

- a. The Contractor's standard commercial guarantee/warranty as stated in the contract's commercial pricelist will apply to this contract.
- b. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.
- c. Limitation of Liability. Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to the ordering activity for consequential damages resulting from any defect or deficiencies in accepted items.

4. TECHNICAL SERVICES

The Contractor, without additional charge to the ordering activity, shall provide a hot line technical support number 256-922-6834 for the purpose of providing user assistance and guidance in the implementation of the software. The technical support number is available from 7:00am to 5:00 pm CST.

5. SOFTWARE MAINTENANCE

- a. Software maintenance as it is defined: (select software maintenance type) :

1. Software Maintenance as a Product (SIN 132-32 or SIN 132-33)

Software maintenance as a product includes the publishing of bug/defect fixes via patches and updates/upgrades in function and technology to maintain the operability and usability of the software product. It may also include other no charge support that are included in the purchase price of the product in the commercial marketplace. No charge support includes items such as user blogs, discussion forums, on-line help libraries and FAQs (Frequently Asked Questions), hosted chat rooms, and limited telephone, email and/or web-based general technical support for user's self-diagnostics.

Software maintenance as a product does NOT include the creation, design, implementation, integration, etc. of a software package. These examples are considered software maintenance as a service.

Software Maintenance as a product is billed at the time of purchase.

- b. Invoices for maintenance service shall be submitted by the Contractor on a quarterly or monthly basis, after the completion of such period. Maintenance charges must be paid in arrears (31 U.S.C. 3324). PROMPT PAYMENT DISCOUNT, IF APPLICABLE, SHALL BE SHOWN ON THE INVOICE.

6. PERIODS OF TERM LICENSES (SIN 132-32) AND MAINTENANCE (SIN 132-33)

- a. The Contractor shall honor orders for periods for the duration of the contract period or a lesser period of time.
- b. Term licenses and/or maintenance may be discontinued by the ordering activity on thirty (30) calendar days written notice to the Contractor.
- c. Annual Funding. When annually appropriated funds are cited on an order for term licenses and/or maintenance, the period of the term licenses and/or maintenance shall automatically expire on September 30 of the contract period, or at the end of the contract period, whichever occurs first. Renewal of the term licenses and/or maintenance orders citing the new appropriation shall be required, if the term licenses and/or maintenance is to be continued during any remainder of the contract period.
- d. Cross-Year Funding Within Contract Period. Where an ordering activity's specific appropriation authority provides for funds in excess of a 12 month (fiscal year) period, the ordering activity may place an order under this schedule contract for a period up to the expiration of the contract period, notwithstanding the intervening fiscal years.
- e. Ordering activities should notify the Contractor in writing thirty (30) calendar days prior to the expiration of an order, if the term licenses and/or maintenance is to be terminated at that time. Orders for the continuation of term licenses and/or maintenance will be required if the term licenses and/or maintenance is to be continued during the subsequent period.

7. UTILIZATION LIMITATIONS - (SIN 132-32 and SIN 132-33)

- a. Software acquisition is limited to commercial computer software defined in FAR Part 2.101.
- b. When acquired by the ordering activity, commercial computer software and related documentation so legend shall be subject to the following:
 - (1) Title to and ownership of the software and documentation shall remain with the Contractor, unless otherwise specified.
 - (2) Software licenses are by site and by ordering activity. An ordering activity is defined as a cabinet level or independent ordering activity. The software may be used by any subdivision of the ordering activity (service, bureau, division, command, etc.) that has access to the site the software is placed at, even if the subdivision did not participate in the acquisition of the software. Further, the software may be used on a sharing basis where multiple agencies have joint projects that can be satisfied by the use of the software placed at one ordering activity's site. This would allow other agencies access to one ordering activity's database. For ordering activity public domain databases, user agencies and third parties may use the computer program to enter, retrieve, analyze and present data. The user ordering activity will take appropriate action by instruction, agreement, or otherwise, to protect the Contractor's proprietary property with any third parties that are permitted access to the computer programs and documentation in connection with the user ordering activity's permitted use of the computer programs and documentation. For purposes of this section, all such permitted third parties shall be deemed agents of the user ordering activity.
 - (3) Except as is provided in paragraph 8.b(2) above, the ordering activity shall not provide or otherwise make available the software or documentation, or any portion thereof, in any form, to any third party without the prior written approval of the Contractor. Third parties do not include prime Contractors, subcontractors and agents of the ordering activity who have the ordering activity's permission to use the licensed software and documentation at the facility, and who have agreed to use the licensed software and documentation only in accordance with these restrictions. This provision does not limit the right of the ordering activity to use software, documentation, or information therein, which the ordering activity may already have or obtains without restrictions.
 - (4) The ordering activity shall have the right to use the computer software and documentation with the computer for which it is acquired at any other facility to which that computer may be transferred, or in cases of Disaster Recovery, the ordering activity has the right to transfer the software to another site if the ordering activity site for which it is acquired is deemed to be unsafe for ordering activity personnel; to use the computer

software and documentation with a backup computer when the primary computer is inoperative; to copy computer programs for safekeeping (archives) or backup purposes; to transfer a copy of the software to another site for purposes of benchmarking new hardware and/or software; and to modify the software and documentation or combine it with other software, provided that the unmodified portions shall remain subject to these restrictions.

- (5) "Commercial Computer Software" may be marked with the Contractor's standard commercial restricted rights legend, but the schedule contract and schedule pricelist, including this clause, "Utilization Limitations" are the only governing terms and conditions, and shall take precedence and supersede any different or additional terms and conditions included in the standard commercial legend.

8. SOFTWARE CONVERSIONS - (SIN 132-32 AND SIN 132-33)

Full monetary credit will be allowed to the ordering activity when conversion from one version of the software to another is made as the result of a change in operating system, or from one computer system to another. Under a perpetual license (132-33), the purchase price of the new software shall be reduced by the amount that was paid to purchase the earlier version. Under a term license (132-32), conversion credits which accrued while the earlier version was under a term license shall carry forward and remain available as conversion credits which may be applied towards the perpetual license price of the new version.

9. DESCRIPTIONS AND EQUIPMENT COMPATIBILITY

The Contractor shall include, in the schedule pricelist, a complete description of each software product and a list of equipment on which the software can be used. Also, included shall be a brief, introductory explanation of the modules and documentation which are offered.

10. RIGHT-TO-COPY PRICING

Not Offered

Program Control System II (PCS II), ISAT & Cyber Safety Awareness Software License Agreement

PLEASE READ CAREFULLY: This License Agreement (“Agreement”) is a legal agreement between you, in your capacity as an authorized acquisition agent of a government entity (“Licensee”) and QinetiQ North America, Inc., the creator, author, operator and sole owner of the Program Control System II (PCS II), Intelligence Situation Awareness (ISAT) and Cyber Safety Awareness software (“Licensor”).

1. Grant of Limited License

The software and associated documentation, if any, is supplied pursuant to this agreement, under which Licensor grants the Licensee the right for a specified number of named users to use the machine readable object code, subject to the license terms herein. The Licensee agrees not to (a) rent, lease, lend, sub-lease, or otherwise transfer either the materials supplied pursuant to this agreement or the Licensee’s rights hereunder; (b) remove or obscure Licensor’s proprietary rights notices; (c) alter, decompile, or disassemble the programs supplied in object code form; (d) utilize this product on any service bureau or time-sharing system.

2. Backup Copies

The distribution media may be copied onto the hard (or other high-capacity) disk of a single microcomputer as required by the installation procedure. They may also be copied onto other media for the sole purpose of security backup. They may NOT be copied onto the hard disk of a subsequent microcomputer without previously deleting all the supplied materials from the original microcomputer.

3. Proprietary Rights

The Licensee does not become the owner of the materials supplied pursuant to this agreement. These materials are protected by copyright, trade secrets, and trademark law. The Licensee acknowledges that the materials and backup copies remain the property of Licensor, and contain valuable confidential, unpublished information, including but not limited to, algorithms, innovations, and concepts developed by Licensor at great expense. The Licensee agrees to use his reasonable best efforts to protect the materials from unauthorized reproduction, distribution, disclosure, use, or publication. Licensor may use the individual password or serial number allocated to each copy of this product to trace unauthorized copies.

4. Limited Warranty and Liability

Licensor warrants the media supplied to be free from defective materials and workmanship for a period of ninety days from registration of this license agreement. Licensor’s liability shall be limited to the replacement of any such media free of charge. This product is licensed “as is” and Licensor does not guarantee uninterrupted service or the correction of any errors. Except for the limited warranty described above, there are no other warranties, expressed or implied, for the materials supplied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. All such warranties are expressly and specifically disclaimed, except where such an exclusion of implied warranty is prohibited by state law. In no event shall Licensor be responsible for any indirect, special, incidental, consequential, or similar damages or for lost data or profits resulting in any way from the use of the supplied materials.

5. Terms

This license agreement is effective from the date of receipt of the materials by the Licensee in term or perpetuity. Licensor may file a claim for termination of Licensee's rights under this Agreement if Licensee fails to comply with the terms and conditions of this Agreement. Upon favorable resolution of such claim, the Licensee must return all materials to Licensor and destroy any copies. The Licensee’s obligations with regard to the confidentiality of the supplied materials shall survive any such termination by Licensor.

6. **General**

This agreement will be governed by state and federal law as appropriate. If any provision hereof is held to contravene such law or to be unenforceable, that provision will be revised to conform to the law and to most closely reflect the intent of the original provision but will not affect the validity of any other provision. This agreement applies to any updates, replacements, or other materials supplied by Licensor, including any materials provided pursuant to section 4 above, and it constitutes the only agreement between the parties regarding the materials. Either party's failure to enforce any provision of this agreement shall not waive that party's rights. By installing the supplied software, the Licensee acknowledges the he has read, understood, and agreed to these license terms.

**TERMS AND CONDITIONS APPLICABLE TO INFORMATION TECHNOLOGY (IT)
PROFESSIONAL SERVICES (SPECIAL ITEM NUMBER 132-51)**

1. SCOPE

- a. The prices, terms and conditions stated under Special Item Number 132-51 Information Technology Professional Services apply exclusively to IT Professional Services within the scope of this Information Technology Schedule.
- b. The Contractor shall provide services at the Contractor's facility and/or at the ordering activity location, as agreed to by the Contractor and the ordering activity.

2. PERFORMANCE INCENTIVES I-FSS-60 Performance Incentives (April 2000)

- a. Performance incentives may be agreed upon between the Contractor and the ordering activity on individual fixed price orders or Blanket Purchase Agreements under this contract.
- b. The ordering activity must establish a maximum performance incentive price for these services and/or total solutions on individual orders or Blanket Purchase Agreements.
- c. Incentives should be designed to relate results achieved by the contractor to specified targets. To the maximum extent practicable, ordering activities shall consider establishing incentives where performance is critical to the ordering activity's mission and incentives are likely to motivate the contractor. Incentives shall be based on objectively measurable tasks.

3. 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 (Deviation – May 2003) 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.

4. PERFORMANCE OF SERVICES

- a. The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.
- b. The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.
- c. The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.
- d. Any Contractor travel required in the performance of IT Services 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 diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

5. STOP-WORK ORDER (FAR 52.242-15) (AUG 1989)

- a. The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to

the Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either-

1. Cancel the stop-work order; or
 2. Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.
- b. If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if-
1. The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and
 2. The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.
- c. If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.
- d. If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

6. INSPECTION OF SERVICES

In accordance with FAR 52.212-4 CONTRACT TERMS AND CONDITIONS--COMMERCIAL ITEMS (MAR 2009) (DEVIATION I - FEB 2007) for Firm-Fixed Price orders and FAR 52.212-4 CONTRACT TERMS AND CONDITIONS –COMMERCIAL ITEMS (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to Time-and-Materials and Labor-Hour Contracts orders placed under this contract.

7. RESPONSIBILITIES OF THE CONTRACTOR

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character. If the end product of a task order is software, then FAR 52.227-14 (Dec 2007) Rights in Data – General, may apply.

8. RESPONSIBILITIES OF THE ORDERING ACTIVITY

Subject to security regulations, the ordering activity shall permit Contractor access to all facilities necessary to perform the requisite IT Professional Services.

9. INDEPENDENT CONTRACTOR

All IT Professional Services 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 ordering activity.

10. ORGANIZATIONAL CONFLICTS OF INTEREST

- a. Definitions.
- “Contractor” means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.
- “Contractor and its affiliates” and “Contractor or its affiliates” refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.
- An “Organizational conflict of interest” exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor’s or its affiliates’ objectivity in performing contract work.

- b. To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the ordering activity, ordering activities may place restrictions on the Contractors, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the schedule contract. Examples of situations, which may require restrictions, are provided at FAR 9.508.

11. INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for IT Professional services. Progress payments may be authorized by the ordering activity 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.

12. PAYMENTS

For firm-fixed price orders the ordering activity shall pay the Contractor, upon submission of proper invoices or vouchers, the prices stipulated in this contract for service rendered and accepted. Progress payments shall be made only when authorized by the order. For time-and-materials orders, the Payments under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to time-and-materials orders placed under this contract. For labor-hour orders, the Payment under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to labor-hour orders placed under this contract. 52.216-31(Feb 2007) Time-and-Materials/Labor-Hour Proposal Requirements—Commercial Item Acquisition As prescribed in 16.601(e)(3), insert the following provision:

- a. The Government contemplates award of a Time-and-Materials or Labor-Hour type of contract resulting from this solicitation.
- b. The offeror must specify fixed hourly rates in its offer that include wages, overhead, general and administrative expenses, and profit. The offeror must specify whether the fixed hourly rate for each labor category applies to labor performed by—
 - 1. The offeror;
 - 2. Subcontractors; and/or
 - 3. Divisions, subsidiaries, or affiliates of the offeror under a common control.

13. RESUMES

Resumes shall be provided to the GSA Contracting Officer or the user ordering activity upon request.

14. INCIDENTAL SUPPORT COSTS

Incidental support costs are available outside the scope of this contract. The costs will be negotiated separately with the ordering activity in accordance with the guidelines set forth in the FAR.

15. APPROVAL OF SUBCONTRACTS

The ordering activity may require that the Contractor receive, from the ordering activity's Contracting Officer, written consent before placing any subcontract for furnishing any of the work called for in a task order.

16. DESCRIPTION OF IT SERVICES AND PRICING

Please refer to the labor category descriptions and pricing incorporated into this GSA Pricelist.

**TERMS AND CONDITIONS APPLICABLE TO
ELECTRONIC COMMERCE (EC) (SPECIAL IDENTIFICATION NUMBER 132-52)**

1. SCOPE

The prices, terms and conditions stated under Special Item Number 132-52 Electronic Commerce (EC) Services apply exclusively to EC Services within the scope of this Information Technology Schedule.

2. ELECTRONIC COMMERCE CAPACITY AND COVERAGE

The Ordering Activity shall specify the capacity and coverage required as part of the initial requirement.

3. INFORMATION ASSURANCE

- a. The Ordering Activity is responsible for ensuring to the maximum extent practicable that each requirement issued is in compliance with the Federal Information Security Management Act (FISMA)
- b. The Ordering Activity shall assign an impact level (per Federal Information Processing Standards Publication 199 & 200 (FIPS 199, “*Standards for Security Categorization of Federal Information and Information Systems*”) (FIPS 200, “*Minimum Security Requirements for Federal Information and Information Systems*”) prior to issuing the initial statement of work. Evaluations shall consider the extent to which each proposed service accommodates the necessary security controls based upon the assigned impact level. The Contractor awarded SIN 132-52 is capable of meeting at least the minimum security requirements assigned against a low-impact information system (per FIPS 200).
- c. The Ordering Activity reserves the right to independently evaluate, audit, and verify the FISMA compliance for any proposed or awarded Electronic Commerce services. All FISMA certification, accreditation, and evaluation activities are the responsibility of the ordering activity.

4. DELIVERY SCHEDULE.

The Ordering Activity shall specify the delivery schedule as part of the initial requirement. The Delivery Schedule options are found in *Information for Ordering Activities Applicable to All Special Item Numbers*, paragraph 6. *Delivery Schedule*.

5. INTEROPERABILITY

When an Ordering Activity requires interoperability, this requirement shall be included as part of the initial requirement. Interfaces may be identified as interoperable on the basis of participation in a sponsored program acceptable to the Ordering Activity. Any such access or interoperability with teleports/gateways and provisioning of enterprise service access will be defined in the individual requirement.

6. ORDER

- a. Agencies may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering electronic services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all electronic 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 (Deviation – May 2003) 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.

7. PERFORMANCE OF ELECTRONIC SERVICES

The Contractor shall provide electronic services on the date agreed to by the Contractor and the ordering activity.

8. RESPONSIBILITIES OF THE CONTRACTOR

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

9. RIGHTS IN DATA

The Contractor shall comply FAR 52.227-14 RIGHTS IN DATA – GENERAL and with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character.

10. ACCEPTANCE TESTING

If requested by the ordering activity the Contractor shall provide acceptance test plans and procedures for ordering activity approval. The Contractor shall perform acceptance testing of the systems for ordering activity approval in accordance with the approved test procedures.

11. WARRANTY

The Contractor shall provide a warranty covering each Contractor-provided electronic commerce service. The minimum duration of the warranty shall be the duration of the manufacturer’s commercial warranty for the item listed below.

The warranty shall commence upon the later of the following:

- a. Activation of the user’s service
- b. Installation/delivery of the equipment

The Contractor, by repair or replacement of the defective item, shall complete all warranty services within five working days of notification of the defect. Warranty service shall be deemed complete when the user has possession of the repaired or replaced item. If the Contractor renders warranty service by replacement, the user shall return the defective item(s) to the Contractor as soon as possible but not later than ten (10) working days after notification.

12. MANAGEMENT AND OPERATIONS PRICING

The Contractor shall provide management and operations pricing on a uniform basis. All management and operations requirements for which pricing elements are not specified shall be provided as part of the basic service.

13. TRAINING

The Contractor shall provide normal commercial installation, operation, maintenance, and engineering interface training on the system.

14. MONTHLY REPORTS

In accordance with commercial practices, the Contractor may furnish the ordering activity/user with a monthly summary ordering activity report.

**TERMS AND CONDITIONS APPLICABLE TO AUTHENTICATION PRODUCTS AND SERVICES
(SPECIAL ITEM NUMBER 132-62)**

1. ORDER

- a. Agencies may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering authentication products and 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 (Deviation – May 2003) 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.
- c. When placing an order, ordering activities may deal directly with the contractor or ordering activities may send the requirement to the Program Management Office to received assisted services for a fee.

2. PERFORMANCE OF SERVICES

- a. The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.
- b. The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.
- c. The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.
- d. Any Contractor travel required in the performance of the Services under SIN 132-62 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 diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

3. STOP-WORK ORDER (FAR 52.242-15) (AUG 1989)

- a. The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either-
 1. Cancel the stop-work order; or
 2. Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.

- b. If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if-
 - 1. The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and
 - 2. The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided that if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.
- c. If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.
- d. If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

4. INSPECTION OF SERVICES

The Inspection of Services–Fixed Price (AUG 1996) (Deviation – May 2003) clause at FAR 52.246-4 applies to firm-fixed price orders placed under this contract. The Inspection–Time-and-Materials and Labor-Hour (MAY 2001) (Deviation – May 2003) clause at FAR 52.246-6 applies to time-and-materials and labor-hour orders placed under this contract.

5. RESPONSIBILITIES OF THE ORDERING ACTIVITY

Subject to security regulations, the ordering activity shall permit Contractor access to all facilities necessary to perform the requisite services.

6. INDEPENDENT CONTRACTOR

All services performed by the Contractor under the terms of this contract shall be an independent Contractor, and not as an agent or employee of the ordering activity.

7. ORGANIZATIONAL CONFLICTS OF INTEREST

- a. Definitions.
 - “Contractor” means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.
 - “Contractor and its affiliates” and “Contractor or its affiliates” refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.
 - An “Organizational conflict of interest” exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor’s or its affiliates’ objectivity in performing contract work.
- b. To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the ordering activity, ordering activities may place restrictions on the Contractors, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the schedule contract. Examples of situations, which may require restrictions, are provided at FAR 9.508.

8. INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for products and/or services. Progress payments may be authorized by the ordering activity 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.

9. PAYMENTS

For firm-fixed price orders the ordering activity shall pay the Contractor, upon submission of proper invoices or vouchers, the prices stipulated in this contract for service rendered and accepted. Progress payments shall be made only when authorized by the order. For time-and-materials orders, the Payments under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to time-and-materials orders placed under this contract. For labor-hour orders, the Payment under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to labor-hour orders placed under this contract.

11. INCIDENTAL SUPPORT COSTS

Incidental support costs are available outside the scope of this contract. The costs will be negotiated separately with the ordering activity in accordance with the guidelines set forth in the FAR.

12. APPROVAL OF SUBCONTRACTS

The ordering activity may require that the Contractor receive, from the ordering activity's Contracting Officer, written consent before placing any subcontract for furnishing any of the work called for in a task order.

13. DESCRIPTION OF AUTHENTICATION PRODUCTS, SERVICES AND PRICING

- a. The Contractor shall provide a description of each type of Authentication Product and Service offered under Special Item Number 132-62. Authentication Products and Services should be presented in the same manner as the Contractor sells to its commercial and other ordering activity customers. .
- b. Pricing for all Authentication Products and Services shall be in accordance with the Contractor's customary commercial practices; e.g., hourly rates, monthly rates, term rates, and/or fixed prices.

The following is an example of the manner in which the description of a commercial job title should be presented:

- c. For Special Item Number 132-62, HSPD-12 Product and Service Components:
 - 1. Bundled equipment pricing is requested for the following product components:
 - enrollment and registration products,
 - PIV card management and production products,
 - PIV card activation and
 - finalization products.
 - 2. Seat pricing is requested for the following service components offered as managed services:
 - enrollment and registration services,
 - PIV card management and production services,
 - PIV card activation and
 - finalization services.
 - 3. Bundled equipment categories, managed service categories and the requirements for bundled equipment and managed service Qualification Requirements are presented at the website: <http://www.idmanagement.gov>.

GSA TERM AND PERPETUAL SOFTWARE PRICING

Cyber Safety Awareness Training Program/Software (SIN 132-32)

Pricing is for the complete, three-module training set. Modules will not be sold individually.

FORMAT: Delivered as LMS-ready files on CD ROM or DVD ROM in industry-standard format (AICC or SCORM 1.2) of customer's choice

All prices are annual licenses that must be renewed if customer desires to continue use of the program

All prices include any content refresh or update Cyveillance prepares within the contract period at no charge

All prices are for the existing content offered at that time. Customization of the content, inserted extras or modifications for a specific enterprise or agency are available with customization charges.

Prices do not include rights to produce derivative products, or to publish or redistribute material outside the purchasing agency/department or enterprise.

	GSA Price
Annual License - Up to 10,000 unique users	\$24,886.65
License Renewal for up to two additional years	\$12,443.32
Annual License - 10,001-300,000 unique users	\$76,574.31
License Renewal for up to two additional years	\$38,287.15

Program Control System (PCS) (SIN 132-33)

**Program Control System Named User License
(Per Named User)**

	Seats	GSA Price
	1-99	\$181.36
	100-499	\$158.69
	500-1999	\$136.02
	2000 +	\$90.68

**Program Control System NUL Maintenance
(Per Named User)**

	1-99	\$18.14
	100-499	\$15.87
	500-1999	\$13.60
	2000 +	\$9.07

**Program Control System Server License
(Per Application Server)**

	Servers	GSA Price
	1	\$11,335.01
	2 +	\$8,161.21

**Program Control System Server License Maintenance
(Per Application Server)**

	1	\$1,133.50
	2 +	\$816.12

Intelligence Situation Awareness Tool (ISAT) (SIN 132-33)

The Intelligence Situation Awareness Tool (ISAT) is a MS Windows-based Tactical Data Fusion program. ISAT automatically produces a timely, accurate and integrated tactical picture of the battlespace by exploiting the sensing capabilities of National, Theater and Tactical sensor systems. ISAT provides interoperable data messaging interfaces to other Command and Control systems (such as GCCS, DCGS) and tactical units. ISAT is deployed as part of the Tomahawk Command and Control System (TC2S) and is used by a variety of customers as their Tactical Data Processor for data from the Integrated Broadcast Service (IBS).

Number of Named User Licenses per Application Server*

<u>Named User License Quantity</u>	<u>GSA Price</u>
1 to 10	\$40,302
11 to 20	\$38,287
21 to 50	\$36,272
51 to 100	\$34,257

***Basic Support includes phone support from 9:00 AM until 5:00 PM PST, Monday-Friday for a period of 6 months from date of purchase for the following ‘how-to’ assistance with their software purchases:**

- Analysis support for software set-up
- Analysis support for software set-up
- Software installation configuration support
- ISAT configuration task-specific troubleshooting to assist in resolving installation configuration issues
- Remote subject-matter resolution for reported incidents associated with installation configuration
- *Limited algorithm training discussions related to the ISAT software and its ability to correlate, track and fuse data
- General software updates and patches for a period of six months from most recent date of purchase

**QINETIQ NORTH AMERICA, INC.
INFORMATION TECHNOLOGY LABOR
CATEGORY DESCRIPTIONS**

Commercial Job Title:	<u>01 - Junior Data Entry Operator</u>
Minimal / General Experience:	One (1) year of experience in operating data entry terminals.
Functional Responsibility:	Under general supervision, operates data entry devices in recording alphabetic and/or numeric data from source documents into a form suitable for data processing. Follows standard procedures, with allowance for some level of independent judgment.
Minimal Education:	High School graduate or equivalent. Directly related formal education or training may be substituted on the basis of 1 month of education/training for 1 month of experience, not to exceed six (6) months.
Commercial Job Title:	<u>05 - Journeyman Data Entry Operator</u>
Minimal / General Experience:	Two (2) years' experience in operating on-line or off-line data entry terminals.
Functional Responsibility:	Under limited supervision, operates data entry devices in recording alphabetic and/or numeric data from source documents into a form suitable for data processing. Handles complex or non-standard jobs for which source documents may require considerable concentration and some judgment to obtain correct sequence of data.
Minimal Education:	High School graduate or equivalent. Directly related formal education or training may be substituted on the basis of one (1) month of education/training for one (1) month of experience, not to exceed 12 months.
Commercial Job Title:	<u>06 - Computer Operator I</u>
Minimal / General Experience:	Two (2) years' experience operating computer equipment's and peripherals.
Functional Responsibility:	Under supervision resolves common operating problems. Monitors and operates the control of either a mainframe digital computer or a group of minicomputers, in accordance with operating instructions, to process data.
Minimal Education:	High School graduate or equivalent.
Commercial Job Title:	<u>07 - Computer Operator II</u>
Minimal / General Experience:	Two (2) years' experience operating computer equipment and peripherals.
Functional Responsibility:	Processes scheduled routines which present few difficult operating problems. In response to computer output instructions or error conditions, applies standard operating or corrective procedures.
Minimal Education:	High School and 50 weeks formal training in computer related field.
Commercial Job Title:	<u>09 - Data Entry Supervisor</u>
Minimal / General Experience:	Five (5) years of recent progressive data entry experience, at least one year of which is with equipment related to the task. Two years within the past five years in supervising at least five personnel operating data entry equipment, including one year as shift supervisor and/or manager in a multi-shift/location environment.
Functional Responsibility:	Supervises and directs the work of data entry employees relative to schedule, allocation of work and assignments and performance checks to minimize errors and minimize output. Maintains and updates files related to data entry jobs and assists in determining more efficient data entry procedures. Due to level of responsibility,

	typically has authority, (within certain guidelines) to operate department budget and initiating personnel actions. Exclude data entry personnel with only lead responsibilities.
Minimal Education:	High School graduate or equivalent. Directly related formal education or training may be substituted on the basis of one (1) month of education/training for one (1) month of experience, not to exceed 12 months.
Commercial Job Title:	<u>10 - Lead Data Entry Operator</u>
Minimal / General Experience:	Three (3) years' experience in operating on-line or off-line data entry terminals. One year supervising personnel operating data entry equipment.
Functional Responsibility:	Based on direction from department manager, operates data entry devices in recording alphabetic and/or numeric data from source documents into a form suitable for data processing. Trains less experienced operators, and provides instructions and answers questions on data entry procedures. Assists in the scheduling of data entry jobs. Is capable of handling any data entry job needed by the company and may operate machines to assist in rush jobs or to complete particularly difficult technical work. May be in charge of shift operation but is not a supervisor.
Minimal Education:	High School graduate or equivalent. Directly related formal education or training may be substituted on the basis of one (1) month of education/training for one (1) month of experience, not to exceed 12 months.
Commercial Job Title:	<u>13 - Computer Center Supervisor</u>
Minimal / General Experience:	Four (4) years' experience in supervising a highly technical computer operations center. Knowledgeable of computer and computer related peripherals, operations, maintenance and repair of computer hardware and software requirements.
Functional Responsibility:	Supervises personnel engaged in setting up and operating stored program computers and peripheral equipment. Is responsible for solving operating problems and insuring compliance with established methods, procedures and standards of operation. May be responsible for scheduling of jobs and of equipment maintenance to achieve maximum use of equipment. Directs subordinates in operation of equipment used. May be responsible for all or only part (such as one shift) of computer operations. This is a first-level exempt supervisory classification.
Minimal Education:	Bachelor's Degree. Four (4) years' experience will be considered an equivalency for the Bachelor's Degree.
Commercial Job Title:	<u>14 - Sr. Documentation Specialist</u>
Minimal / General Experience:	4-5 years general experience as a technical writer/editor or documentation specialist Experience as a technical writer/editor or data engineer. Experience in performing the quality assurance function for technical documentation preparation and review.
Functional Responsibility:	Manages project-oriented documentation efforts. Provides direction regarding program planning process and military/commercial policies and procedures for system/hardware/ interface and specification development.
Minimal Education:	Bachelor's Degree. Four (4) years' experience will be considered an equivalency for the Bachelor's Degree.
Commercial Job Title:	<u>15 - Data Technician</u>
Minimal / General Experience:	Three (3) years.
Functional Responsibility:	The entry and manipulation of data using word processing and desktop publishing/graphics programs.
Minimal Education:	High School graduate or equivalent.
Commercial Job Title:	<u>20 – Technician, Associate</u>

Minimal / General Experience: No task related experience required.

Functional Responsibility: Provides assistance and support to IT or administrative tasks. If assigned to IT tasks, performs IT analysis, design, integration, documentation, and implementation assistance on problems which require a basic knowledge of the related technical subject matter for effective implementation. If assigned to administrative tasks, performs computer based clerical, filing, telephone communications, calendaring, status reporting, and other administrative functions in support of mid-level management staff.

Minimal Education: High School or equivalent.

Commercial Job Title: **26 - Technician**

Minimal / General Experience: Three (3) years of experience in the area of specialization.

Functional Responsibility: Assigned to either IT or administrative support. If assigned to IT support provides primary level of IT analysis, design, integration, documentation, and implementation assistance on problems which require knowledge of the related technical subject matter for effective implementation. Participates in multiple phases of software development. Applies principles and methods of the functional area to difficult problems in technical areas to arrive at automated solutions. If assigned to administrative support, provides computer based administrative support to data handling, calendaring, meeting administration, filing, report / correspondence preparation and reproduction, and other functions in support of executive level management staff.

Minimal Education: High school graduate or equivalent.

Commercial Job Title: **32 - Legacy System Analyst**

Minimal / General Experience: Two (2) years.

Functional Responsibility: Technical expert in Legacy System. Acts independently under general direction. Provides technical consulting on complex projects. Formulates/defines system scope and objectives. Often acts as business expert and assists users in defining needs. Devises or modifies procedures to solve complex problems. May use CASE tools.

Minimal Education: Bachelor's degree from an accredited college or university

Commercial Job Title: **33 - Local Area Network Technician**

Minimal / General Experience: 1-2 years general experience with general network technology
Progressive technical experience in Local Area Network (LAN) hardware and software installation. Hardware and software components shall include LAN workstation, server, or other components related to the LAN system. Experience may include cable (fiber, coax, twisted-pair), workstation components (interface cards, floppy and hard disks, drivers) installation, configuration (multiple access units, attachment unit interfaces, hubs, gateways, routers and bridges), network software (operating systems, office automation applications), testing system components, tracing and repairing outages, diagnostics, and minor hardware repair.

Functional Responsibility: Works independently to install LAN and LAN related components. Performs diagnostic testing and system troubleshooting of LAN equipment. Repairs and replaces LAN components as required. Performs server and workstation connection, configuration, integration, and testing. Upgrades system components as required.

Minimal Education: High School graduate or equivalent.

Commercial Job Title: **34 - Cable Installer**

Minimal / General Experience: 1 to 3 years' experience in general network technology.
Functional Responsibility: Installs necessary cable in telephone operating system.
Minimal Education: High School graduate or equivalent with applicable training certificate.

Commercial Job Title: **35 - Local Area Network Specialist / Certified Network Administrator (CNA)**

Minimal / General Experience: 1-2 years general experience with general network technology
Progressive technical experience in LAN hardware and software installation.
Functional Responsibility: Works independently to install LAN and LAN related components. Performs diagnostic testing and system troubleshooting of LAN equipment. Repairs and replaces LAN components as required. Performs server and workstation connection, configuration, integration, and testing. Upgrades system components as required. May provide direction to lower level employees regarding LAN and LAN related activities.
Minimal Education: Bachelor's Degree or Commercial Certification. Four (4) years' experience will be considered an equivalency for the Bachelor's Degree.

Commercial Job Title: **36 - Information Assurance Network Specialist, Intermediate**

Minimal / General Experience: Five (5) years.
Functional Responsibility: Systems security analysis and implementation; design assurance and testing.
Minimal Education: Bachelor's degree from an accredited college or university.

Commercial Job Title: **37 - Web Designer**

Minimal / General Experience: Two (2) years
Functional Responsibility: Designs and builds web pages using a variety of graphics software applications, techniques, and tools, Designs and develops user interface features, site animation, and special-effects elements. Contributes to the design group's efforts to enhance the look and feel of the organization's online offerings. Designs the website to support the organization's strategies and goals relative to external communications.
Minimal Education: Bachelor's degree from an accredited college or university.

Commercial Job Title: **39 - Information Assurance Network Specialist, Senior**

Minimal / General Experience: Seven (7) years.
Functional Responsibility: Systems security analysis and implementation; design assurance and testing.
Minimal Education: Bachelor's degree from an accredited college or university.

Commercial Job Title: **42 - Voice Communications Manager**

Minimal / General Experience: One (1) year.
Functional Responsibility: Installs, modifies & troubleshoots aerial and underground copper & fiber optic cable.
Minimal Education: High school graduate with applicable training certificate.

Commercial Job Title: **43 - Computer Systems/Network Integration**

Minimal / General Experience: Two (2) years.

Functional Responsibility:	Performs systems analysis, development, and implementation of business, mathematical, engineering or scientific settings using a variety of information technology resources. Has experience with current technologies and, where required for the task, emerging technologies.
Minimal Education:	Bachelor's degree from an accredited college or university.
Commercial Job Title:	<u>47 - Subject Matter Expert</u>
Minimal / General Experience:	Five (5) years of task related exp. in the identified field of study or specialization. Exp. may not include PhD and Master's education.
Functional Responsibility:	Provides extremely high-level subject matter expertise for work described in the task. Provides advanced technical knowledge and analysis of highly specialized applications and operational environment, high-level functional systems analysis, design, integration, documentation, training, and implementation advice on complex problems which require doctorate level knowledge of the subject matter for effective implementation. Applies principles, methods, and knowledge of specific functional areas of expertise to specific task order requirements. Provides advice on esoteric problems which require extensive knowledge of the subject matter. Designs and prepares technical reports, studies, and related documentation, makes charts and graphs to record results, prepares and delivers presentations, training, and briefings as required by the task order.
Minimal Education:	PhD from an accredited college or university in the specific subject matter discipline as identified in the statement of work.
Commercial Job Title:	<u>48 - Communication Engineer</u>
Minimal / General Experience:	Two (2) years.
Functional Responsibility:	Systems analysis, development, and implementation of business, mathematical, engineering or scientific settings using a variety of information technology resources.
Minimal Education:	Bachelor's degree from an accredited college or university.
Commercial Job Title:	<u>49 - Senior Functional Specialist</u>
Minimal / General Experience:	Bachelor's degree and 6 years or Master's degree and 4 year PhD and 2 years of general IT experience, including formal training and 2 years' experience in BPR methods, plus training and 1 years' experience in enterprise applications.
Functional Responsibility:	Provides extremely high-level functional expertise for work described in the task. Provides advanced technical knowledge and analysis of highly specialized applications and operational environment, high-level functional systems analysis, design, integration, documentation, training, and implementation advice on complex problems which require doctorate level knowledge of the subject matter for effective implementation. Applies principles, methods, and knowledge of specific functional areas of expertise to specific task order requirements. Provides advice on esoteric problems which require extensive knowledge. Designs and prepares technical reports, studies, and related documentation, makes charts and graphs to record results, prepares and delivers presentations, training, and briefings as required by the task order.
Minimal Education:	Bachelor's degree from an accredited college or university.
Commercial Job Title:	<u>51 - Principal Business Process Reengineering Specialist</u>
Minimal / General Experience:	Ten (10) years' experience.
Functional Responsibility:	Facilitation, training, methodology development and evaluation, process reengineering across all phases, identify best practices, change management, business management techniques, organizational development, activity and data modeling, or information

	system development methods and practices and supervision of Business Process Reengineering Specialist.
Minimal Education:	Master's degree in Computer Science, Information Systems, Engineering, Business, Education, Management Sciences, Psychology Human Resources Development/Management, or other related scientific or technical discipline.
Commercial Job Title:	<u>52 - Principal Engineer/Analyst</u>
Minimal / General Experience:	Five (5) years.
Functional Responsibility:	Responsible for all software systems activities. Applications generally affect the overall operating system, such as sophisticated file maintenance routines, advanced scientific software, large telecommunications networks and computer accounting. Responsible for meeting budget goals and objectives.
Minimal Education:	Bachelor's degree from an accredited college or university.
Commercial Job Title:	<u>53 - Project Manager/Subject Matter Expert</u>
Minimal / General Experience:	Five (5) years of task related experience in the identified field of specialization.
Functional Responsibility:	Provides extremely high-level subject matter expertise for work described in the task. Provides advanced technical knowledge and analysis of highly specialized applications and operational environment, high-level functional systems analysis, design, integration, documentation, training, and implementation advice on complex problems which require doctorate level knowledge of the subject matter for effective implementation. Applies principles, methods, and knowledge of specific functional areas of expertise to specific task order requirements. Provides advice on esoteric problems which require extensive knowledge of the subject matter.
Minimal Education:	Bachelor's degree from an accredited college or university in the specific subject matter discipline as identified in the statement of work. .
Commercial Job Title:	<u>54 - Information Assurance Development Engineer, Senior</u>
Minimal / General Experience:	Five (5) years of task related experience in the identified field of specialization
Functional Responsibility:	Develop, train and instructional design completed and/or in a computer science.
Minimal Education:	Bachelor's degree from an accredited college or university.
Commercial Job Title:	<u>55 - Senior ERP Specialist</u>
Minimal / General Experience:	Seven (7) years general IT experience including formal training and 5 years' experience in BPR methods, plus training and 1 year experience in enterprise applications.
Functional Responsibility:	Manages an integrated information system that serves all departments within an enterprise to enable that ERP modules be able to interface with the organization's own software with varying degrees of effort, and, depending on the software, ERP modules may be altered.
Minimal Education:	Bachelor's degree from an accredited college or university.
Commercial Job Title:	<u>57 - Information Center/Help Desk Coordinator</u>
Minimal / General Experience:	One (1) year of task related experience.
Functional Responsibility:	Under general direction of the Information Center Manager, is responsible for ensuring

the timely process through which problems are controlled. Includes problem recognition, research, isolation, resolution and follow-up steps. Requires experience and understanding of MIS environment. Is able to resolve less complex problems immediately, while more complex problems are assigned to second level support or supervisor. Typically involves use of problems management database and help desk system.

Minimal Education: High school graduate or equivalent

Commercial Job Title: **58 - Data Communication Manager**

Minimal / General Experience: Eight to ten (8-10) years' experience in software/hardware.

Functional Responsibility: Plans, designs and implements data communication networks. Responsible for the assessment and optimization of network design through review and assessment of user needs, conducts feasibility studies for large projects, develops requests for proposal, evaluates vendor products and makes recommendations on selection.

Minimal Education: Bachelor's degree from an accredited college or university.

Commercial Job Title: **59 - Information Center Specialist**

Minimal / General Experience: No task related experience required.

Functional Responsibility: Provides technical and customer support the Information Center (Message Center, Call Center and/or Data Center) to include end user support and problem solving; information center operations and maintenance; installation and troubleshooting; training and documentation tasks.

Minimal Education: Bachelor's degree from an accredited college or university.

Commercial Job Title: **60 - Information Center Manager**

Minimal / General Experience: Seven (7) years.

Functional Responsibility: Perform systems analysis, development & implementation of business, mathematics or scientific setting using a variety of information technology resources. Has experience w/ current technologies & where required for the task, emerging technologies. Must have managed or had significant involvement w/ complex or substantive information technology projects including 1 year of experience in management & supervision.

Minimal Education: Bachelor's degree from an accredited college or university.

Commercial Job Title: **61 - Computer Security Specialist**

Minimal / General Experience: Five (5) years.

Functional Responsibility: Performs all procedures necessary to ensure the safety of information systems assets and to protect systems from intentional or inadvertent access destruction. Interfaces with user community to understand their security needs and implements procedures to accommodate them.

Minimal Education: Bachelor's degree from an accredited college or university.

Commercial Job Title: **63 - Senior Computer Security Specialist**

Minimal / General Experience: Seven (7) years.

Functional Responsibility: Performs all procedures necessary to ensure the safety of information systems assets and to protect systems from intentional or inadvertent access or destruction. Interfaces with user community to understand their security needs and implements procedures to accommodate them.

Minimal Education:	Bachelor's degree from an accredited college or university.
Commercial Job Title:	<u>64 - Quality Assurance Manager</u>
Minimal / General Experience:	Seven (7) years.
Functional Responsibility:	Performance systems analysis, development and implementation of business, mathematics or scientific setting using a variety of information technology resources.
Minimal Education:	Bachelor's degree from an accredited college or university.
Commercial Job Title:	<u>65 - Curriculum Developer</u>
Minimal / General Experience:	Two (2) years of increasingly complex and progressive exp in performing systems analysis, development, and implementation for business, mathematics, engineering or scientific settings using a variety of information technology
Functional Responsibility:	Develops technical IT curricula to task specific training.
Minimal Education:	Bachelor's degree from an accredited college or university.
Commercial Job Title:	<u>67 - Training Specialist Instructor, Senior</u>
Minimal / General Experience:	Five (5) years of which a minimum of two (2) years must be specialized in the delivery of training instruction and services.
Functional Responsibility:	Organizes and conducts complex training and educational programs for information systems or user personnel. Maintains records of training activities, employee progress and program effectiveness.
Minimal Education:	Bachelor's degree from an accredited college or university.
Commercial Job Title:	<u>68 – Facility/Site Manager</u>
Minimal / General Experience:	Ten (10) years of progressive and intensive experience managing, with at least two years of relevant experience in a position with duties commensurate to those defined in the task order requirement. Or five years specialized experience in a position with duties commensurate to those defined in the task order requirement.
Functional Responsibility:	Responsible for applications systems analysis and programming activities for a Government site, facility or multiple locations. Identifies changes in computer and systems technology and interprets their meaning to senior management, bringing current and future knowledge of technology and systems as applied to the client's requirements. Provides technical assistance to facilitate planning and directing the design, installation, modification and operation of an information systems capability. Prepares long and short-range plans for application selection, systems development, systems maintenance, production activities and for necessary support resources. Also responsible for applications systems analysis and programming activities for a group or section.
Minimal Education:	Bachelor's degree from an accredited college or university
Commercial Job Title:	<u>70 – Technical Subject Matter Expert</u>
Minimal / General Experience:	Five (5) years of intensive and progressive experience in the applicable specialty field.
Functional Responsibility:	Applies subject matter knowledge to high-level analysis, design, development, integration, installation, documentation and implementation. Resolves problems which require an intimate knowledge of the related technical subject matter. Applies principals and methods of the subject matter to specialized solutions. Includes but not limited to; medical and legal transcription, environmental, scientific, and logistical support activities.

Minimal Education:	Bachelor's, applicable functional area certification or two years undergraduate education
Commercial Job Title:	<u>71 – Technical Subject Matter Expert, Intermediate</u>
Minimal / General Experience:	Seven (7) years of intensive and progressive experience in the applicable specialty field.
Functional Responsibility:	Applies subject matter knowledge to high level analysis, design, development, modeling, simulation, integration, installation, documentation and implementation. Resolves problems, which require an intimate knowledge of the related technical subject matter. Applies principles and methods of the subject matter to specialized solutions. Includes but not limited to; medical and legal transcription, environmental, scientific, maintenance and repair processes, and logistical support activities.
Minimal Education:	Bachelor's degree, applicable functional area certification or two years undergraduate education.
Commercial Job Title:	<u>72 – Data Operations Specialist</u>
Minimal / General Experience:	Three (3) years' experience in electronic input and verification via various input devices. Includes one year of experience supervising if assigned as task or functional lead. One year of experience with task related terminology. Capable of allocating work to operators to maximize output.
Functional Responsibility:	Has full technical knowledge of data entry devices and specialized terminology/data. This data may encompass terminology related to environmental, legal, medical, etc. fields. May instruct, direct and check the work of other electronic input operators. Assists in scheduling data entry functions. Operates data entry devices in recording a variety of data; verifies data entered. Performs routine data preparation and distribution.
Minimal Education:	Bachelor's degree, applicable functional area certification or two years undergraduate education.
Commercial Job Title:	<u>74 – Network Engineer, Senior</u>
Minimal / General Experience:	Seven (7) years of increasingly complex and progressive experience in implementing, administering, performing tests and analyzing all elements of network systems. Has experience with current technologies and, where required for the task, emerging technologies.
Functional Responsibility:	Provides system administration of Local Area Network (LAN) and Wide Area Network (WAN) systems. This includes administration of user accounts and passwords. Requires comprehensive knowledge of the organization's hardware, software and network components. Consults with and advises network users. Coordinates network administration and performance requirements with others in the information systems function. Identifies, analyzes and documents long-range requirements and schedules resources related to the enterprise network. Responsible for configuration management and documentation of network and system topologies. Prepares technical implementation plans that provide integrated solutions including actions, milestones, timelines and critical paths required for complete solutions. Researches applicable standards and requirements documents to assure compliance. Selects or recommends multi-user software that meets common user requirements, integrates (where possible) with existing software. Plans for and provides reasonable responsiveness in terms of system performance.
Minimal Education:	Bachelor's degree from an accredited college or university with a curriculum or major field of study which provides substantial knowledge useful in administering large, complex networks, and/or in a computer science, information system, a physical science, engineering or a mathematics-intensive discipline or an applicable training certificate from an accredited training institution

Commercial Job Title:	<u>76 – Test Engineer, Senior</u>
Minimal / General Experience:	Seven (7) years of intensive and progressive experience in a computer related field. Four years within the last eight calendar years of intensive and progressive experience in performing software testing for complex to highly complex software hardware applications and/or systems.
Functional Responsibility:	Subject matter expert providing testing expertise in for the support of user requirements of complex to highly complex software/hardware applications. Directs and/or participates in all phases of risk management assessments and software/hardware development with emphasis on analysis of user requirements, test design and test tools selection. Responsible for ensuring that the test design and documentation support all applicable client, agency or industry standards time lines and budgets. Responsible for ensuring that testing conclusions and recommendations are fully supported by test results, and project managers are fully informed of testing status and application deviations from documented user requirements.
Minimal Education:	Bachelor's degree from an accredited college or university in computer science, mathematics, or engineering or a mathematics-intensive discipline, or an applicable training certificate from an accredited institution.
Commercial Job Title:	<u>78 – Scientist/Engineer, Senior</u>
Minimal / General Experience:	Ten (10) years of extensive and progressive experience in the areas of a specified discipline.
Functional Responsibility:	Provides high-level scientific or engineering services. Applies advanced higher level mathematical, engineering or scientific principles and methods to complex technical problems. Uses computer tools to solve highly complex scientific or engineering problems. Performs analytical studies and develops new processes to improve methods. Responsible for all phases of complex scientific and engineering projects such as research, design, development, testing, modeling, simulating, training, and documentation.
Minimal Education:	Ph.D. degree from an accredited college or university with a curriculum or major field of study, that provides substantial knowledge in task related scientific or engineering disciplines plus five (5) years' experience. May be substituted with a Bachelor's degree plus ten (10) years' experience or Master's degree +8 years' experience.
Commercial Job Title:	<u>79 – Scientist/Engineer, Intermediate</u>
Minimal / General Experience:	Seven (7) years of experience using computer tools to solve complex and scientific or engineering problems.
Functional Responsibility:	Participates in all phases of scientific and engineering projects such as research, design, development, testing, modeling, simulating, training, and documentation.
Minimal Education:	Ph.D. degree from an accredited college or university with a curriculum or major field of study, that provides substantial knowledge in task related scientific or engineering disciplines plus three (3) years' experience. May be substituted with a Bachelor's degree plus eight (8) years' experience or Master's degree plus six (6) years' experience.
Commercial Job Title:	<u>80 – Scientist/Engineer, Journeyman</u>
Minimal / General Experience:	Five (5) years of experience, five (5) years using computer tools to solve complex and scientific or engineering problems.
Functional Responsibility:	Support and implements all phases of scientific and engineering projects such as research, design, development, testing, modeling, simulating, training, and documentation.
Minimal Education:	Bachelor's degree from an accredited college

Commercial Job Title:	<u>81 – Scientist/Engineer, Associate</u>
Minimal / General Experience:	Five (5) years of experience, two (2) years using computer tools to solve scientific or engineering problems.
Functional Responsibility:	Support and implements all phases of scientific and engineering projects such as design, development, testing, modeling, simulating, training, and documentation.
Minimal Education:	Bachelor’s degree from an accredited college or university in engineering or a mathematics-intensive discipline
Commercial Job Title:	<u>82 - Consultant</u>
Minimal / General Experience:	Five (5) years of intensive and progressive experience demonstrating the required proficiency levels related to task.
Functional Responsibility:	Leads major portions of large or medium projects, and leads small projects autonomously. Gathers facts through research, interviewing, surveys, etc. analyze the client's business, draw conclusions, prepare final reports and gives presentations. Is proficient in the use of key analysis and graphics tools. Uses in-depth consultative skills and business knowledge based on accumulated experience and education aligned to practice business objectives and processes.
Minimal Education:	Bachelor’s degree from an accredited college or university which provides substantial knowledge of the information sciences.
Commercial Job Title:	<u>83 – Curriculum Development Manager</u>
Minimal / General Experience:	Five (5) years of increasingly complex and progressive experience in performing systems analysis, development, and implementation for business, mathematical, engineering or scientific settings using a variety of information technology resources. Has experience with current technologies and, where required for the task, emerging technologies.
Functional Responsibility:	Formulates and defines system scope and objectives. Prepares detailed specifications for programs. Designs, develops, tests, debugs and documents programs. Experience developing content and storyboards for computer-based multimedia training, video scripts, audiotape scripts, or web-based training. Works at the highest technical level of all phases of web based technologies and thorough knowledge software such as, HTML, PhotoShop, Illustrator, Visual Basic, Java, and or other design and or developer-related applications, systems analysis and programming activities. Assists in research and fact-finding to develop, refresh, or modify training information systems.
Minimal Education:	Bachelor’s degree from an accredited college or or an applicable training certificate from an accredited training institution.
Commercial Job Title:	<u>84 – Database Specialist, Senior</u>
Minimal / General Experience:	Six (6) years of intensive and progressive experience in a field requiring extensive use of GIS and related tools.
Functional Responsibility:	Responsibilities include, but are not limited to; the coordination of GIS projects, the installation and configuration of all software that is GIS related, building, and maintaining a GIS system, and the installing, building, and maintaining of a corporate-wide Intranet site to disseminate GIS maps. Create and design interactive web pages using any of the following software: ArcIMS for various interactive mapping themes, Arcview(ESRI), ArcIMS(ESRI), AutoCAD 2000NT, Dreamweaver HTML editor, Adobe Photoshop, Adobe Acrobat & PDFWriter, and numerous other programs running on a client’s Intra/Extranet servers. Additional responsibilities include: providing any combination of GPS and GIS services to create original mapping, format conversion, infrastructure analysis and facilities management services, database management and report preparation for various customers.
Minimal Education:	Bachelor's degree from an accredited college

Commercial Job Title: **86 – Database Specialist Journeyman**

Minimal / General Experience: Three (3) years of intensive and progressive experience in a field requiring extensive use of GIS and related tools.

Functional Responsibility: This position is responsible for providing complex application programming and development support on networks and/or PC's. Specific duties include, but are not limited to, coding and designing new and/or modifying programs; modifying scripts as required; controlling system testing: debugging, reviewing and approving output; preparing user, operation and program documentation based upon established policies; regularly providing guidance and training to less experienced programmer analysts and working with users to ensure needs are met.

Minimal Education: Bachelor's Degree from an accredited college.

Commercial Job Title: **87 – Database Specialist, Associate**

Minimal / General Experience: Two (2) years of intensive and progressive experience in a field requiring extensive use of GIS and related tools.

Functional Responsibility: This position is responsible for providing application programming and development support on networks and/or PC's. Specific duties include, but are not limited to, coding and designing new and/or modifying programs; modifying scripts as required; controlling system testing: debugging, reviewing and approving output; preparing user, operation and program documentation based upon established policies; regularly providing guidance and training to less experienced programmer analysts and working with users to ensure needs are met.

Minimal Education: Bachelor's Degree from an accredited college.

Commercial Job Title: **88 – Principal Industry Expert**

Minimal / General Experience: Seven (7) years specialized business and technical experience focusing on the delivery of strategic solutions. Roles should include project management, quality assurance, business requirement analysis, and technical analysis.

Functional Responsibility: Provides oversight for commercial Web design Projects. Provides guidance and direction to the Project Manager. Facilitates executive-level client meetings and workshops. Ensures client satisfaction. Ensures project quality by assisting in conducting quality assurance reviews of the project.

Minimal Education: Bachelor's degree from an accredited college or university with a curriculum or major field of study which provides substantial knowledge useful in administering large, complex networks, and/or in a computer science, information system, a physical science, engineering or a mathematics-intensive discipline or an applicable training certificate from an accredited training institution.

Commercial Job Title: **89 – Project Manager, Senior**

Minimal / General Experience: Five (5) years specialized technical and functional experience in e-commerce. Experience managing requirements, architecting solutions, designing data models, application solutions and directing diverse groups of developers. Should be a strong technical generalist with a deep technical and functional understanding of customer relationship building, personalization and business rule development.

Functional Responsibility: Responsible for the day-to-day management of commercial Web project tasks. Also responsible for monitoring project budget and timeline, communications with customer management of issues and risks. The Project Manager will interface with the Creative Team Lead, Functional Lead and the Technical Architect.

Minimal Education: Bachelor's degree from an accredited college or university with a curriculum or major field of study which provides substantial knowledge useful in administering large, complex networks, and/or in a computer science, information system, a physical science, engineering or a mathematics-intensive discipline or an applicable training certificate from an accredited training institution.

Commercial Job Title:	<u>90 – Principal Content Manager</u>
Minimal / General Experience:	Five (5) years specialized technical and functional experience in e-commerce. Experience managing requirements, architecting solutions, designing data models, application solutions and directing diverse groups of developers. Should be a strong technical generalist with a deep technical and functional understanding of technical, functional, and business rule development.
Functional Responsibility:	The Content Management lead collaborates with commercial clients and the business strategist from the onset of the engagement to understand the client’s targets, business drivers and requirements. The Content Management lead assesses the need, purpose, development and organization of all content on the site.
Minimal Education:	Bachelor’s degree from an accredited college or university with a curriculum or major field of study which provides substantial knowledge useful in engagement of functional and technical, mission-critical goals and objectives of the web-based enterprise.
Commercial Job Title:	<u>91 – Principal Information Architect</u>
Minimal / General Experience:	Six (6) years specialized technical and functional experience in architecting solutions, designing data models, application solutions and directing diverse groups of developers. Should be a strong technical generalist with a deep technical and functional understanding of technical, functional, and business rule development.
Functional Responsibility:	The Information Architect (IA) is the strategic leader in defining the organization and delivering of a consistent, logical and highly usable customer experience. The IA is responsible for conceiving and articulating the most effective user interface by developing site maps, navigational rules and user flows, and recommending and integrating appropriate interactive functionalities and tools. The IA will also direct the customer experience and usability testing for the site and application prototypes.
Minimal Education:	Bachelor’s degree from an accredited college or university with a curriculum or major field of study which provides substantial knowledge useful in architecture of functional and technical, mission-critical goals and objectives of the web-based enterprise.
Commercial Job Title:	<u>92 – Principal Developer</u>
Minimal / General Experience:	Four (4) years’ experience in a commercial environment Designing, developing, debugging, troubleshooting, and implementing software code (such as HTML, CGI, and Javascript) for components of commercial websites. Works with graphic designers and other members of a project team to develop the site concept, interface design, and architecture of the website.
Functional Responsibility:	Develops and tests templates in a commercial Web environment that will be deployed to the technical developers.
Minimal Education:	Bachelor’s degree from an accredited college or university with a curriculum or major field of study which provides substantial knowledge in the development and organization of the enterprise web tools.
Commercial Job Title:	<u>93 – Principal Business Architect</u>
Minimal / General Experience:	Five (5) years specialized applicable content development experience. Expertise should include terminology, applicability, and language skills.
Functional Responsibility:	Manages all content elements of the system. Creates content matrix, editorial platforms, and style guides. Editing, converting legacy and new content is also in the job description. Usually the Content Strategist has an important role in the conversion of legacy content into the CMS.
Minimal Education:	Bachelor’s degree from an accredited college or university with a curriculum or major field of study which provides substantial knowledge useful in engagement of functional and technical, mission-critical goals and objectives of the web-based enterprise.

Commercial Job Title: **94 – Principal Technical Architect**

Minimal / General Experience: Seven (7) years specialized experience including holding key technical positions in the design and delivery of CRM-focused solutions for global commercial clients. Should have an extensive background in numerous technical areas, including application development, voice and data networking, and IT support and management. Areas of expertise should include; enterprise information portals, content and document management, enterprise application integration, web services, and customer relationship management.

Functional Responsibility: The technical architect will lead the technical assessment and lead the analysis and design of the infrastructure in a commercial Web environment. The technical lead will also facilitate the procurement of the portal and content management solution leveraging the requirements from the business as well as the current infrastructure.

Minimal Education: Bachelor’s degree from an accredited college or university with a curriculum or major field of study which provides substantial knowledge useful in engagement of functional and technical, mission-critical goals and objectives of the web-based enterprise.

Commercial Job Title: **95 – Principal Functional Architect**

Minimal / General Experience: Five (5) years specialized experience in increasingly complex and progressive experience in a commercial environment performing systems analysis, development, and implementation of business, mathematical, or scientific settings using a variety of information technology resources. Has experience with current technologies and, where required for the task, emerging technologies.

Functional Responsibility: Leads the design of the database tables and identifies any areas where custom tables need to be created. Create the original baseline creation scripts. This discipline will be one of the first areas to see difficulties between the other development efforts. The database architect is also responsible for maintaining database integrity.

Minimal Education: Bachelor’s degree from an accredited college or university with a curriculum or major field of study which provides substantial knowledge useful in engagement of functional and technical, mission-critical goals and objectives of the web-based enterprise.

Commercial Job Title: **96 – Modeling Simulation Specialist**

Minimal / General Experience: Five (5) years of increasingly complex and progressive experience in subject matter related to simulation models being used.

Functional Responsibility: Expert in modeling and simulation functions or operations such as, but not limited to exercises, plans, coordination, demonstrations, and instruction in the fields such as, but not limited to health, environmental, transportation, law enforcement, military, and civil agencies. Provides supervision and guidance on the proper operation and use of simulation models and exercises. May support live, constructive, or virtual training.

Minimal Education: Bachelor’s Degree from an accredited college or university

Commercial Job Title: **97 – Logistics Specialist**

Minimal / General Experience: Three (3) years’ experience, of which at least one (1) year must be specialized. Experience in various logistics support functions and their automated support systems, involving maintenance planning, personnel planning, training, support equipment, test equipment, technical and logistics data, facilities support, supply support and warehousing.

Functional Responsibility: Prepares logistics support documentation and source data, such as logistics operational management/user documents, integrated logistics support plans, user logistics support summaries, post-production support plans, and logistics implementation plans. Implements logistics plans, databases, and support files to support the fielding of new

Minimal Education:	<p>complex information systems or major modifications. Applies logistics principles and methods to specialized logistics solutions. Performs logistics database management functions. Performs logistics inventories and related logistics functions. Works independently and leads the implementation of logistics discipline.</p> <p>High school graduate or equivalent and applicable functional area certification or two (2) years undergraduate education.</p>
Commercial Job Title:	<u>98 – Threat Specialist</u>
Minimal / General Experience: Functional Responsibility:	<p>Seven (7) years of increasingly complex and progressive experience in subject matter related to vulnerability and threat-related problems.</p> <p>Provides customer support in developing comprehensive, “total” solutions to threat-related problems and their impact on IT systems be they internal to the customer environment, domestic, or foreign. Performs threat identification and assessment, threat reduction measures, crisis management, consequence management, and training and performance support. Conducts threat, vulnerability, and capability assessments including anti-terrorism scenario modeling and simulations. Identifies and implements threat reduction measures including plans, policies, and procedures; mechanical, architectural, and structural review; risk management planning; physical and cyber security; and business continuity planning. Directs crisis response including first response; active defense; civil support; explosive, chemical, biological, radiological, and nuclear incident response; medical response; information continuity; and continuity of -. Performs consequence activities including disaster recovery, restoration of operations, economic impact, logistics management, information recovery, medical support and decontamination.</p>
Minimal Education:	<p>Bachelor’s degree from an accredited college or university or equivalent experience in law enforcement, security, intelligence, military or special operations, foreign affairs, civil defense, anti-terrorism, counter terrorism, asymmetric warfare, or a related field.</p>
Commercial Job Title:	<u>99 – Information Assurance Consulting Engineer, Principal</u>
Minimal / General Experience: Functional Responsibility:	<p>15 years of substantial experience in development and implementation of information assurance technology programs and policy. Requires an expert understanding of security policy advocated by the U.S. Government.</p> <p>Establishes and satisfies complex system-wide information security requirements based upon the analysis of user, policy, regulatory, and resource demands. Supports customers at the highest levels in the development and implementation of doctrine and policies. Provides leadership and guidance in the development, design and application of solutions implemented by more junior staff members. Coordinates with senior representatives within the customer organizations to establish and define programs, resources and risks. Applies expertise to government and commercial common user systems, as well as to dedicated special purpose systems requiring specialized security features and procedures. Examples could include classified intelligence and command and control-related networks. Provides guidance and direction to other professionals, acts in a consulting and/or advisory capacity; coordinates resolution of highly complex problems and tasks, possesses ability to meet and operate under deadlines.</p>
Minimal Education:	<p>Master’s degree from an accredited college or university in Computer Science, Information Systems, Engineering, Business, or related scientific/technical disciplines.</p>
Commercial Job Title:	<u>100 – Information Assurance Systems Specialist, Senior</u>
Minimal / General Experience: Functional Responsibility:	<p>Seven (7) years of substantial experience in development and implementation of information assurance technology programs and policy.</p> <p>Provides customer support in solving all phases of complex information assurance-related technical problems. Reviews and recommends information assurance solutions to customer problems based on an understanding of products/systems test results.</p>

	Conducts systems security analysis and implementation, system engineering, electrical design, design assurance, testing, software engineering, program design, configuration management, integration and testing of information assurance products and techniques. Solutions are based on a firm understanding of government/industry policy, practices, procedures, customer requirements, and emerging security technologies and future trends in support of information system and network security. Insures that information assurance solutions are fully compatible with or engineered into the customer's network design. Provides work direction and guidance to other personnel; ensures accuracy of the work of other personnel, operates under deadlines and able to work on multiple tasks.
Minimal Education:	Bachelor's degree from an accredited college or university in electrical, electronic or computer engineering; computer science; or a related field.
Commercial Job Title:	<u>101 - Information Assurance Applications Specialist, Senior</u>
Minimal / General Experience:	Five (5) years' experience in software engineering including demonstrated experience in designing, developing/ programming information assurance-related software. Experience in designing and developing large software systems is required.
Functional Responsibility:	Analyzes complex information assurance requirements based on direct interface with customers, supports the design, development and integration of software-based solutions. Software applications to include cryptographic solutions that provide and/or enhance the security of individual platforms, systems or networks. Supports the development and enhancement of user interfaces to existing information assurance software. Designs test scenarios, exercises and simulations and supports testing of new and enhanced software products. Provides work direction and guidance to other personnel; ensures accuracy of the work of other personnel, operates under deadlines, able to work on multiple tasks.
Minimal Education:	Bachelor's degree from an accredited college or university in Electrical, Electronic or Computer Engineering, Computer Science or a related field.
Commercial Job Title:	<u>102 - Administrative Specialist I</u>
Minimal / General Experience:	One (1) year of experience.
Functional Responsibility:	Performing graphics design and layout for brochures, publications, and technical reports; developing drafts, graphics, and media options for review; and preparing final products for delivery to a service bureau or direct publication.
Minimal Education:	Minimum Education: High School Diploma or equivalent plus (1) year of experience.
Commercial Job Title:	<u>103 - Administrative Support Specialist II</u>
Minimal / General Experience:	Two years of experience.
Functional Responsibility:	Performing graphics design and layout for brochures, publications, and technical reports; developing drafts, graphics, and media options for review; and preparing final products for delivery to a service bureau or direct publication.
Minimal Education:	Minimum Education: High School Diploma or equivalent
Commercial Job Title:	<u>104 - Administrative Support Specialist III</u>
Minimal / General Experience:	Three (3) or more years of experience.
Functional Responsibility:	Performing graphics design and layout for brochures, publications, and technical reports; developing drafts, graphics, and media options for review; and preparing final products for delivery to a service bureau or direct publication.
Minimal Education:	Minimum Education: High School Diploma or equivalent
Commercial Job Title:	<u>105 - Graphics Artist, I</u>
Minimal / General Experience:	2-4 years general experience in graphic arts or similar field.

Experience:
Functional Responsibility: Assists in the preparation of presentation graphics and supports the development of contract deliverables and reports by developing and updating graphic presentations to improve the quality and enhance the usability of these documents.

Minimal Education: High School diploma or Associates degree from an accredited junior college or equivalent

Commercial Job Title: **106 - Business Analyst I**
Minimal / General 1-2 years general business experience
Experience: Experience in professional management analysis in an ADP environment, proven analytical and problem solving experience, and excellent verbal and written communications skills.

Functional Responsibility: Provides administrative and technical consultation on a wide variety of management analysis subject areas for improvement of mission and mission support programs. Analyzes and documents methods, procedures and organizational structures to promote effectiveness and efficiency of mission and support functions, through the integration of automated information systems into an organization's business practices. Performs analysis of management, financial, or strategical data. Provides capability for establishing desk procedures and institutes appropriate records management techniques and procedures.

Minimal Education: HS diploma or Associates degree

Commercial Job Title: **108 - Cost/Price Analyst I**
Minimal / General 1-2 years general experience in cost and price analysis
Experience: Demonstrated knowledge of automated cost evaluation techniques, the FAR and other pertinent regulations. Extensive experience in providing Cost/Price Analyses support to the Federal Government.

Functional Responsibility: Provides senior level support in performing cost evaluations, including conducting cost and price analyses and preparing cost evaluation templates for automated cost evaluation techniques. Perform cost benefit and risks analyses.

Minimal Education: High School diploma or Associates degree or equivalent

Commercial Job Title: **109 - Cost/Price Analyst III**
Minimal / General 4-5 years general experience in cost and price analysis
Experience: Extensive experience in providing Cost/Price Analyses support to the Federal Government. Demonstrated knowledge of automated cost evaluation techniques, the FAR and other pertinent regulations.

Functional Responsibility: Leads and oversees all efforts to perform cost evaluations, including conducting cost and price analyses and preparing cost evaluation templates for automated cost evaluation techniques. Perform cost benefit and risks analyses.

Minimal Education: Associates degree or Bachelors degree in Business or related studies. 4 years' experience is equivalent to BA.

Commercial Job Title: **110 - Functional Analyst I**
Minimal / General 1-2 years general experience with functional requirements.
Experience: Experience in developing functional requirements for complex integrated imaging systems. Demonstrated ability to work independently or under general direction.

Functional Responsibility: Analyze user needs to determine functional and cross-functional requirements. Performs functional allocation to identify required tasks and their interrelationships. Identifies resources required for each task.

Minimal Education: HS diploma or Associates Degree

Commercial Job Title: **111 - Functional Analyst III**
Minimal / General 4-5 years' experience in responsibilities of a technical nature

Experience: General experience includes increasing responsibilities in assignments of a technical nature. Proven ability to work independently on complex problems involving all phases of systems analysis and design.

Functional Responsibility: Leads and oversees all efforts to analyze user needs to determine functional and cross-functional requirements. Performs functional allocation to identify required tasks and their interrelationships. Identifies resources required for each task. Extensive knowledge in developing functional requirements for complex integrated imaging systems.

Minimal Education: Associates degree or Bachelors degree in Business or related studies. 4 years' experience is equivalent to BA.

Commercial Job Title: **112 - Requirements Analyst I**
 Minimal / General Experience: Over three (3) years' experience in providing ADP and procurement support to the Federal Government, with extensive experience in the preparation of vendor proposals for equipment procurement as well as systems development procurement. Knowledge of the FAR and other appropriate regulations.

Functional Responsibility: Prepares Requirements Analysis documents in support of procurement requirements. Analyzes and interprets technical requirements and leads the writing of solicitations Statements of Work for service contracts. Confers with Government technical personnel on mandatory requirements, evaluation of vendor questions and preparation of responses.

Minimal Education: HS diploma or Associates Degree

Commercial Job Title: **113 - Requirements Analyst II**
 Minimal / General Experience: Over four (4) or more years' experience in providing ADP and procurement support to the Federal Government, with extensive experience in the preparation of vendor proposals for equipment procurement as well as systems development procurement. Knowledge of the FAR and other appropriate regulations.

Functional Responsibility: Leads and oversee all effort in preparing Requirements Analysis documents in support of procurement requirements. Analyzes and interprets technical requirements and leads the writing of Statements of Work for service contracts. Confers with Government technical personnel on mandatory requirements, evaluation of vendor questions and preparation of responses.

Minimal Education: HS diploma or Associates Degree

Commercial Job Title: **114 - Subject Matter Expert I**
 Minimal / General Experience: Four (4) years of information management experience including a minimum of two (2) years of specialized experience.

Functional Responsibility: Provides assistance to enhance the alignment of Information Technology strategy with business strategy. Supports the definition and implementation of planning processes and systems at the enterprise or group level and including both strategic and operational activities. Assists in the development and implementation of effective performance measurement approaches. Evaluates expectations for and capabilities of the information management organization and makes recommendations to improve service. Can also require specialized training with a specific software / hardware tool set.

Minimal Education: Bachelor's Degree in Information Management, Organizational Development, Business, or related discipline

Commercial Job Title: **115 - Subject Matter Expert II**
 Minimal / General Experience: Seven (7) years of information management experience including a minimum of four (4) years of specialized experience.

Functional Responsibility: Provides assistance to enhance the alignment of Information Technology strategy with business strategy. Supports the definition and implementation of planning processes and systems at the enterprise or group level and including both strategic and operational activities. Assists in the development and implementation of effective

	performance measurement approaches. Evaluates expectations for and capabilities of the information management organization and makes recommendations to improve service. Can also require specialized training with a specific software / hardware tool set.
Minimal Education:	Master's Degree in Information Management, Organizational Development, Business, or related discipline
Commercial Job Title:	<u>116 - Subject Matter Expert III</u>
Minimal / General Experience:	Ten (10) years of information management experience including a minimum of four (4) years of specialized experience.
Functional Responsibility:	Provides assistance to enhance the alignment of Information Technology strategy with business strategy. Supports the definition and implementation of planning processes and systems at the enterprise or group level and including both strategic and operational activities. Assists in the development and implementation of effective performance measurement approaches. Evaluates expectations for and capabilities of the information management organization and makes recommendations to improve service. Can also require specialized training with a specific software / hardware tool set.
Minimal Education:	Master's Degree in Information Management, Organizational Development, Business, or related discipline.
Commercial Job Title:	<u>117 - Communications Network Manager</u>
Minimal / General Experience:	A minimum of five (5) years of experience, three (3) years of which includes supervising the operation and maintenance of communications network systems.
Functional Responsibility:	Responsible for overall contract performance. Serves as the overall manager of all contractor personnel assigned to any individual task order and all contractor functions performed under any task order and serves as the authorized interface with the government designated representatives, management personnel, or related agencies. The Communications Network Manager is responsible for all phases of contract management, workflow, and resource management including: formulating and reviewing strategic plans; subcontractor management; supervising personnel and communicating policies, purposes, and goals of the organization to personnel; assigning contractor schedules and preparing oral and written status reports. The Communications Network Manager is responsible for the quality of the program and the task deliverables, timeliness, minimizing problems, risk assessment, and reviewing work discrepancies.
Minimal Education:	HS diploma or Associates Degree. Technical school certificate or equivalent is a plus.
Commercial Job Title:	<u>118 - Communications Network Specialist II</u>
Minimal / General Experience:	A minimum of five (5) years of experience of which three (3) years must be specialized. Technical school certificate or equivalent is a plus.
Functional Responsibility:	Evaluates communication hardware and software, troubleshoots LAN/MAN/WAN and other network related problems, and provides technical expertise for performance and configuration of networks. Performs general LAN/MAN/WAN administration, provided technical leadership in the integration and test of complex largescale computer integrated networks. Schedules conversions and cutovers. Develops test material to exercise resulting networks using both simulation techniques and monitoring of existing communications systems. Provides operational support and assists in the definition and resolution of network problems. Responsible to coordinate with all users and sites.
Minimal Education:	Technical school certificate or equivalent is a plus.
Commercial Job Title:	<u>119 - Communications Technician I</u>
Minimal / General Experience:	A minimum of one (1) year data communications experience. Understanding of communications controllers and its peripheral equipment.
Functional Responsibility:	Assist in providing support in the definition and resolution of all equipment and data

	communications network problems to ensure service continuity to all users. Assist in providing support in evaluating and resolving network and front-end processor problems.
Minimal Education:	HS diploma or Associates Degree.
Commercial Job Title:	<u>120 - Communications Technician II</u>
Minimal / General Experience:	A minimum of two (2) years data communications experience. Thorough understanding of communications controllers and its peripheral equipment.
Functional Responsibility:	Provide senior level support in the definition and resolution of all equipment and data communications network problems to ensure service continuity to all users. Provide support in evaluating and resolving network and front-end processor problems. Operating, monitoring, and troubleshooting the network using hardware and software diagnostic tools.
Minimal Education:	HS diploma or Associates Degree.
Commercial Job Title:	<u>121 - Communications Technician III</u>
Minimal / General Experience:	A minimum of four (4) years data communications experience. Thorough understanding of communications controllers and its peripheral equipment.
Functional Responsibility:	Oversee and lead efforts in the defining and resolving equipment and data communications network problems to ensure service continuity to all users. Provide support in evaluating and resolving network and front-end processor problems. Operating, monitoring, and troubleshooting the network using hardware and software diagnostic tools.
Minimal Education:	HS diploma or Associates Degree.
Commercial Job Title:	<u>122 - Network Administrator I</u>
Minimal / General Experience:	Two (2) years' experience; or trade/school/associate degree and three (3) years experience; or five (5) years' experience.
Functional Responsibility:	Assist in controlling Local and Wide Area Network (LAN/WAN) environment by establishing and enforcing standards and procedures. Assist in analyzing LAN/WAN applications/functional requirements and designs effective data base solutions. Assist in monitoring network security. Interfaces with customers.
Minimal Education:	High School diploma or Associates Degree in Computer Science or related fields
Commercial Job Title:	<u>123 - Network Administrator II</u>
Minimal / General Experience:	Three (3) years' experience; or trade/school/associate degree and five (5) years experience; or eight (8) years' experience.
Functional Responsibility:	Assisting in controlling Local and Wide Area Network (LAN/WAN) environment by establishing and enforcing standards and procedures. Analyzes LAN/WAN applications/functional requirements and designs effective data base solutions. Provides advanced training and assistance on network related topics. Assist in monitoring network security and often acts as a task leader. Has considerable customer contact. Implements security audits and effects security measures.
Minimal Education:	High School Diploma, Associates or BA Degree in Computer Science or related fields
Commercial Job Title:	<u>124 - Network Administrator III</u>
Minimal / General Experience:	Four (4) years' experience; or degree in Computer Science or related fields and five (5) years' experience; or trade/school/associate degree and nine (9) years' experience; or eleven (11) years' experience.
Functional Responsibility:	Controls Local and Wide Area Network (LAN/WAN) environment by establishing and enforcing standards and procedures. Analyzes LAN/WAN applications/functional requirements and designs effective data base solutions. Provides advanced training and assistance on network related topics. Monitors network security and often acts as a task leader. Has considerable direct customer contact. Implements security audits and effects security measures.

Minimal Education: Depends on experience trade/school/associate degree, degree in Computer Science or related fields

Commercial Job Title: **125 - Network Analyst I**
Minimal / General Experience: A minimum of two (2) years of general experience in a wide area network UNIX environment.
Functional Responsibility: Works under general direction, and shall assist in performing network performance analysis on a wide area network utilizing various monitoring tools. Will be responsible for assisting in troubleshooting second and third level communications problems with the vendor to increase network availability to the end user. Will also review tickets, and follow up with the vendor on the resolution of network faults. Will also assist in the administration of a mini computer and workstation, which monitors and collects data for a packet switched network.

Minimal Education: High School diploma or trade school/associate degree

Commercial Job Title: **126 - Network Analyst II**
Minimal / General Experience: A minimum of four (4) years of general experience in a wide area network UNIX environment.
Functional Responsibility: Works independently or only under general direction, and shall perform network performance analysis on a wide area network utilizing various monitoring tools. Will be responsible for troubleshooting second and third level communications problems with the vendor to increase network availability to the end user. Will also review tickets, and follow up with the vendor on the resolution of network faults. Be responsible for creating reports for measuring network utilization, performing traffic analysis, monitoring response times, and performing capacity and trend analysis. Will also be responsible for the administration of a mini computer and workstation, which monitors and collects data for a packet switched network.

Minimal Education: High School diploma or trade school/associate degree

Commercial Job Title: **127 - Network Analyst III**
Minimal / General Experience: A minimum of six (6) years of general experience in a wide area network UNIX environment.
Functional Responsibility: Oversees and leads efforts to perform network performance analysis on a wide area network utilizing various monitoring tools. Will be responsible for troubleshooting second and third level complex communications problems with the vendor to increase network availability to the end user. Will also review tickets, and follow up with the vendor on the resolution of network faults. Be responsible for creating reports for measuring network utilization, performing traffic analysis, monitoring response times, and performing capacity and trend analysis. Will also be responsible for the administration of a mini computer and workstation, which monitors and collects data for a packet switched network.

Minimal Education: High School diploma or trade school/associate degree

Commercial Job Title: **128 - Network Engineer I**
Minimal / General Experience: Minimum of five (5) years of experience in the support of multi-vendor network systems. Experience solving connectivity problems using major applications, troubleshooting and isolating related problems.
Functional Responsibility: Assist in designing multi-protocol networks using routers and large bridged networks and creating and maintaining network documentation. Assisting user groups with network and communications issues. Assist in troubleshooting IP configuration problems through understanding of router techniques and examine router traffic. Assisting in generating and installing operating systems and activating workstation.

Minimal Education: High School diploma or trade school/associate degree

Commercial Job Title: **129 - Network Engineer II**
Minimal / General Experience: Minimum of eight (8) years of experience in the support of multi-vendor network systems. Experience solving connectivity problems using major applications,

Functional Responsibility:	troubleshooting and isolating related problems. Designing multi-protocol networks using routers and large bridged networks and creating and maintaining network documentation. Assisting user groups with network and communications issues. Defining of routed networks addressing schemes, designing network links for mainframe access, building and configuring the Internet with IP routers, and segmenting networks bridges. Troubleshooting IP configuration problems through understanding of router techniques and examine router traffic. Generating and installing operating systems and activating workstation.
Minimal Education:	High School diploma or trade school/associate degree
Commercial Job Title: Minimal / General Experience:	<u>130 - Network Engineer III</u> Minimum of ten (10) years of experience in the support of multi-vendor network systems. Experience solving connectivity problems using major applications, troubleshooting and isolating related problems.
Functional Responsibility:	Lead efforts in designing multi-protocol networks using routers and large bridged networks and creating and maintaining network documentation. Assisting user groups with network and communications issues. Defining of routed networks addressing schemes, designing network links for mainframe access, building and configuring the Internet with IP routers, and segmenting networks bridges. Troubleshooting IP configuration problems through understanding of router techniques and examine router traffic. Generating and installing operating systems and activating workstation.
Minimal Education:	High School diploma or trade school/associate degree
Commercial Job Title: Minimal / General Experience:	<u>131 - Network Programmer I</u> Degree in Computer Science or related field and two (2) years' experience; or trade school/associate degree and two (2) years' experience; or three (3) years' experience. One (1) year of experience must be in systems programming.
Functional Responsibility:	Perform analysis of requirements for function and performance, and develop hardware/software alternatives. Support and interface packaged software and hardware to users operating environments. Assist in the development of specifications, code, test and debug within range of responsibility. Assist in installing, documenting and maintaining systems/programs obtained from users or other computer facilities or vendors. Assist in diagnosing problems and effect repairs and/or modifications utilizing diagnostic and statistical tools.
Minimal Education:	Depends on experience: trade school/associate degree or BA degree
Commercial Job Title: Minimal / General Experience:	<u>132 - Network Programmer IV</u> Advanced degree and two (2) years' experience; or degree in Computer Science or related field and three (3) years' experience; or trade school/associate degree and five (5) years' experience; or seven (7) years' experience. Two (2) years of experience must be in systems programming.
Functional Responsibility:	Design, implement, install, document and maintain complex or large-scale systems software, which may have many modules or interrelations with other software systems. Perform analysis of requirements for function and performance, and develop hardware/software alternatives. Support and interface packaged software and unique hardware to users operating environments. Develop specifications, code, test and debug within range of responsibility. Install, document and maintain complex systems/programs obtained from users or other computer facilities or vendors. Diagnose complex problems and effect repairs and/or modifications utilizing diagnostic and statistical tools.
Minimal Education:	Depends on experience: trade school/associate degree, Advanced degree
Commercial Job Title: Minimal / General Experience:	<u>133 - Security Analyst I</u> 3-5 years' experience with IT-security requirements Extensive experience in defining computer security requirements for high level applications; evaluating security products; and developing solutions to computer security related problems.

Functional Responsibility: Analyze and define security requirements for a variety of computer issues. Designs, develops and implements solutions to requirements. Gathers and organizes technical information pertaining to an agencies mission objectives and goals; existing and new security products; and ongoing programs. Performs risk and benefits analyses for recommended solutions. Develops, analyzes and implements security architecture(s) as required.

Minimal Education: HS diploma or Associates degree

Commercial Job Title: **134 - Security Analyst II**

Minimal / General Experience: 4 to 6 years' experience in defining computer security requirements for high level applications; evaluating security products; and developing solutions to computer security related problems.

Functional Responsibility: Leads efforts to analyze and define security requirements for a variety of computer issues. Designs, develops and implements solutions to requirements. Gathers and organizes technical information pertaining to an agencies mission objectives and goals; existing and new security products; and ongoing programs. Performs risk and benefits analyses for recommended solutions. Develops, analyzes and implements security architecture(s) as required.

Minimal Education: Associates degree or Bachelors degree in Business or related studies. 4 years' experience is equivalent to BA.

Commercial Job Title: **136 - Systems Security Specialist, I**

Minimal / General Experience: Bachelor's degree from an accredited college or university with 4-6 years directly related experience.

Functional Responsibility: Assists in analyzing and defining security requirements. Assists in designing, developing, engineering, and implementing solutions to computer security requirements. Assists in gathering and organizing technical information about an organization's mission goals and needs, existing security products, and ongoing programs in the computer security arena. Assists in performing risk analyses which also includes risk assessment.

Minimal Education: Bachelor's degree

Commercial Job Title: **137 - Systems Security Specialist, II**

Minimal / General Experience: Bachelor's degree from an accredited college or university with 6-8 years directly related experience. Analyzes and defines security requirements.

Functional Responsibility: Designs, develops, engineers, and implements solutions to computer security requirements. Gathers and organizes technical information about an organization's mission goals and needs, existing security products, and ongoing programs in the computer security arena. Performs risk analyses which also includes risk assessment.

Minimal Education: Bachelor's degree

Commercial Job Title: **138 - Systems Security Specialist, III**

Minimal / General Experience: Bachelor's degree from an accredited college or university in a Computer Science or related Engineering Discipline with 10 years directly related experience.

Functional Responsibility: Analyzes and defines security requirements. Designs, develops, engineers, and implements solutions computer security requirements. Gathers and organizes technical information about an organization's mission goals and needs, existing security products, and ongoing programs in the computer security arena. Performs risk analyses which also includes risk assessment. Provides daily supervision and direction to staff.

Minimal Education: Bachelor's degree

Commercial Job Title: **139 - Acquisition Support Specialist I**

Minimal / General Experience: Over two (2) years of experience in providing ADP and procurement support to the Federal Government. Knowledge of the FAR and other appropriate regulations.

Functional Responsibility: Assist in providing support to Government Contracting Officers to include preparing cost and technical evaluation plans. Assist in preparing life cycle cost analyses of

Minimal Education:	vendor pricing and conducting life cycle costs of vendor proposals. Assist the Government in protest situations, and provides expert testimony as required. High School Diploma, Associates degree
Commercial Job Title:	<u>140 - Acquisition Support Specialist II</u>
Minimal / General Experience:	Over three (3) years' experience in providing ADP and procurement support to the Federal Government. Knowledge of the FAR and other appropriate regulations.
Functional Responsibility:	Provides support to Government Contracting Officers to include preparing cost and technical evaluation plans. Prepares life cycle cost analyses of vendor pricing and conducts life cycle costs of vendor proposals. Assist the Government in protest situations, and provides expert testimony as required.
Minimal Education:	High School Diploma, Associates degree
Commercial Job Title:	<u>141 - Acquisition Support Specialist III</u>
Minimal / General Experience:	Over five (5) years' experience providing ADP and procurement support to the Federal Government. Extensive knowledge of the FAR and other appropriate regulations.
Functional Responsibility:	Leads and oversee efforts to develop specific procurement actions including the preparation of Requirements Analysis documents in support of procurement requirements. Assist in the preparations of Acquisition Strategy Plans (ITP) for specific procurement. Directs the conduct of market surveys, compiles equipment capabilities and performance assessment studies. Prepares justifications for desired optional features, liquidated damages, and type of contract. Analyzes and interprets technical requirements and leads the writing of a solicitation, to include mandatory specifications for equipment or Statements of Work (SOW) for service contracts. Ensures that acquisition strategies and solicitations are in compliance with the FAR and other appropriate regulations, policies and procedures. Assist the Government in protest situations, and provides expert testimony as required.
Minimal Education:	High School Diploma, Associates degree or Bachelor's degree in Business or related studies. 4 years' experience is equivalent to BA.
Commercial Job Title:	<u>143 - Expert Consultant</u>
Minimal / General Experience:	A minimum of eight (8) years of extensive experience in the ADP arena.
Functional Responsibility:	Provide expert, independent services and leadership in specialized technical areas. Provide expertise on an as-needed basis to all task assignments. Provides expert advice and assistance in state-of-the-art software/hardware. Coordinates with Contractor Management and Government personnel to ensure that the problem has been properly defined and that the solution will satisfy the Government's requirement.
Minimal Education:	Bachelor's degree
Commercial Job Title:	<u>144 - Program Manager, I</u>
Minimal / General Experience:	4-6 years general management experience.
Functional Responsibility:	Provides overall management of a specific task order(s) and insuring that the technical solutions and schedules in the task order are implemented in a timely manner.
Minimal Education:	Bachelor's degree from an accredited college or university in a Computer Science or related Engineering Discipline.
Commercial Job Title:	<u>145 - Program Manager, II</u>
Minimal / General Experience:	6-8 years directly related management experience.
Functional Responsibility:	Provides overall management of Multiple task orders and insures that the technical

Minimal Education:	solutions and schedules in the task orders are implemented in a timely manner. Bachelor's degree from an accredited college or university in a Computer Science or related Engineering Discipline.
Commercial Job Title:	<u>146 - Program Manager, III</u>
Minimal / General Experience:	10 years directly related management experience.
Functional Responsibility:	Provides overall management of a multiple project/program managers and insures that the technical solutions and schedules of multiple programs are implemented in a timely manner.
Minimal Education:	Bachelor's degree from an accredited college or university in a Computer Science or related Engineering Discipline.
Commercial Job Title:	<u>147 - Project Manager I</u>
Minimal / General Experience:	Five (5) years' experience relating to the required services.
Functional Responsibility:	Oversees project planning, scheduling, monitoring, and reporting activities for information systems projects. Assists in the development of needs assessments and recommended project control solutions to be used for planning, scheduling and tracking of each project through integration of various project management tools. Will serve as the single point of contact. This individual will ensure that the government receives total customer satisfaction. Will also be responsible for the project planning and management efforts; appropriate allocation of resources and within budget; and submission of proper invoicing and reporting requirements within a timely manner.
Minimal Education:	Bachelor's degree in computer sciences, engineering or related discipline.
Commercial Job Title:	<u>148 - Project Manager II</u>
Minimal / General Experience:	Six (6) or more years' experience relating to the required services.
Functional Responsibility:	Oversees project planning, scheduling, monitoring, and reporting activities for information systems projects. Assists in the development of needs assessments and recommended project control solutions to be used for planning, scheduling and tracking of each project through integration of various project management tools. Will serve as the single point of contact. This individual will ensure that the government receives total customer satisfaction. Will also be responsible for the project planning and management efforts; appropriate allocation of resources and within budget; and submission of proper invoicing and reporting requirements within a timely manner.
Minimal Education:	Bachelor's degree in computer sciences, engineering or related discipline.
Commercial Job Title:	<u>149 - Project Manager III</u>
Minimal / General Experience:	Ten (10) or more years' experience relating to the required services.
Functional Responsibility:	Oversees project planning, scheduling, monitoring, and reporting activities for information systems projects. Assists in the development of needs assessments and recommended project control solutions to be used for planning, scheduling and tracking of each project through integration of various project management tools. Will serve as the single point of contact. This individual will ensure that the government receives total customer satisfaction. Will also be responsible for the project planning and management efforts; appropriate allocation of resources and within budget; and submission of proper invoicing and reporting requirements within a timely manner.
Minimal Education:	Masters degree in computer sciences, engineering or related discipline.
Commercial Job Title:	<u>150 - Systems Analyst I</u>
Minimal / General Experience:	Three (3) years' experience relating to the required services.
Functional Responsibility:	Experience with systems requirements and systems analysis Defines system requirements and priorities with customer and ensures that day-to-day

	project requirements are met. Develops system and programming specifications. Designs data processing solutions based on business needs and technical considerations. Researches and resolves application production problems. Conducts complex documentation and user requirement/needs analysis. Studies customer environment by analyzing job tasks, organizational structure and user requirements to propose system-wide solution.
Minimal Education:	Bachelor's degree in computer sciences, engineering or related discipline and a minimum of three (3) years' experience relating to the required services.
Commercial Job Title:	<u>151 - Systems Analyst II</u>
Minimal / General Experience:	Minimum of five (5) years' experience relating to the required services.
Functional Responsibility:	Defines system requirements and priorities with customer and ensures that day-to-day project requirements are met. Develops system and programming specifications. Designs data processing solutions based on business needs and technical considerations. Researches and resolves application production problems. Conducts complex documentation and user requirement/needs analysis. Studies customer environment by analyzing job tasks, organizational structure and user requirements to propose system-wide solution.
Minimal Education:	Bachelor's degree in computer sciences, engineering or related discipline.
Commercial Job Title:	<u>152 - Systems Analyst III</u>
Minimal / General Experience:	Minimum of six (6) or more years' experience relating to the required services.
Functional Responsibility:	Leads efforts to define system requirements and priorities with customer and ensures that day-to-day project requirements are met. Develops system and programming specifications. Designs data processing solutions based on business needs and technical considerations. Researches and resolves application production problems. Conducts documentation and user requirement/needs analysis. Studies customer environment by analyzing job tasks, organizational structure and user requirements to propose system-wide solution.
Minimal Education:	Bachelor's degree in computer sciences, engineering or related discipline.
Commercial Job Title:	<u>153 - Applications Specialist, I</u>
Minimal / General Experience:	4-6 years general experience.
Functional Responsibility:	Participates in the design of software tools and subsystems to support reuse and domain analysis. Assists in interpreting software requirements and design specifications to code, and integrating and testing software components.
Minimal Education:	Bachelor's degree from an accredited college or university.
Commercial Job Title:	<u>154 - Applications Specialist, II</u>
Minimal / General Experience:	10 years general experience.
Functional Responsibility:	Assists in analyzing functional business applications and design specifications for functional activities. Assists in developing 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.
Minimal Education:	Bachelor's degree from an accredited college or university in a Computer Science or related Engineering Discipline.
Commercial Job Title:	<u>155 - Applications Specialist, III</u>
Minimal / General Experience:	10 years directly related experience.
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.
Minimal Education:	Bachelor's degree from an accredited college or university in a Computer Science or related Engineering Discipline.
Commercial Job Title:	<u>156 - Configuration Management Specialist, I</u>
Minimal / General Experience:	4-6 years general experience.
Functional Responsibility:	Provides technical and administrative support for personnel performing software development tasks with respect to management of the software/hardware configurations and adherence to the design concept and to user standards.
Minimal Education:	Bachelor's degree from an accredited college or university.
Commercial Job Title:	<u>157 - Configuration Management Specialist, II</u>
Minimal / General Experience:	6-8 years directly related experience.
Functional Responsibility:	Provides technical and administrative support for personnel performing software development tasks with respect to management of the software/hardware configurations and adherence to the design concept and to user standards.
Minimal Education:	Bachelor's degree from an accredited college or university in a Computer Science or related Engineering Discipline.
Commercial Job Title:	<u>158 - Configuration Management Specialist, III</u>
Minimal / General Experience:	10 years directly related experience.
Functional Responsibility:	Establishes and maintains a process for evaluating software and associated documentation and its configuration. Determines the resources required for configuration management. Maintains configuration control throughout the software life cycle. Conducts formal and informal reviews at pre-determined points throughout the development life cycle. Provides daily supervision and direction to support staff.
Minimal Education:	Bachelor's degree from an accredited college or university in a Computer Science or related Engineering Discipline.
Commercial Job Title:	<u>159 - Database Administrator I</u>
Minimal / General Experience:	Advanced degree and four (4) years' experience; or degree in Computer Science or related fields and five years' experience; or trade/school/associate degree and nine years' experience; or eleven years' experience. Five (5) years must be in data base technology.
Functional Responsibility:	Controls database environment by establishing and enforcing standards and procedures. Analyzes applications/functional requirements and designs effective data base solutions. Provides advanced training and assistance on data dictionaries and data base related topics. Makes DBMS corrections for performance and tuning. Monitors data base security and often acts as a task leader. Audits common DBMS application development design and programming techniques for performance and efficiency. Has considerable direct customer contact. Implements security audits and effects security measures.
Minimal Education:	Advanced degree and four (4) years' experience; or degree in Computer Science or related fields and five years' experience; or trade/school/associate degree and nine years' experience; or eleven years' experience. Five (5) years must be in data base technology. Advanced degree and four (4) years' experience; or degree in Computer Science or related fields and five years' experience; or trade/school/associate degree and nine years' experience; or eleven years' experience. Five (5) years must be in data

base technology.

Commercial Job Title:	<u>160 - Database Administrator III</u>
Minimal / General Experience:	Advanced degree and eight (8) or more years' experience; or degree in Computer Science or related fields and nine (9) or more years' experience; or trade/school/associate degree and twelve (12) or more years' experience; or fifteen (15) or more years' experience. Ten (10) years or more must be in data base technology.
Functional Responsibility:	Controls database environment by establishing and enforcing standards and procedures. Analyzes applications/functional requirements and designs effective data base solutions. Provides advanced training and assistance on data dictionaries and data base related topics. Makes DBMS corrections for performance and tuning. Monitors data base security and often acts as a task leader. Audits common DBMS application development design and programming techniques for performance and efficiency. Has considerable direct customer contact. Implements security audits and effects security measures.
Minimal Education:	Advanced degree and eight (8) or more years' experience; or degree in Computer Science or related fields and nine (9) or more years' experience; or trade/school/associate degree and twelve (12) or more years' experience; or fifteen (15) or more years' experience. Ten (10) years or more must be in data base technology.
Commercial Job Title:	<u>161 - Information Engineer I</u>
Minimal / General Experience:	One (1) year experience.
Functional Responsibility:	Provide systems development and maintenance support. Provide analysis and design support utilizing structured design methodologies.
Minimal Education:	Education in Computer Science or related study
Commercial Job Title:	<u>162 - Information Engineer II</u>
Minimal / General Experience:	Three (3) years' experience. Experience in large-scale system development and maintenance projects.
Functional Responsibility:	Provide systems development and maintenance support. Provide analysis and design support utilizing structured design methodologies.
Minimal Education:	Education in Computer Science or related study
Commercial Job Title:	<u>163 - Information Engineer I</u>
Minimal / General Experience:	Five (5) years' experience. Extensive experience in large-scale system development and maintenance projects.
Functional Responsibility:	Leads and oversee all efforts in providing systems development and maintenance support. Provide analysis and design support utilizing structured design methodologies. Provide technical assistance to less experienced information engineers.
Minimal Education:	Education in Computer Science or related study
Commercial Job Title:	<u>164 - Programmer I</u>
Minimal / General Experience:	A total of five (5) years of system development experience. Will have a minimum of three (3) years' experience writing software programs.
Functional Responsibility:	Works under general direction on application problems involving all phases of software development and maintenance. Assist in analyzing systems requirements and in developing detailed design specifications; in developing block diagrams and logic flowcharts, and translates detailed designs to computer programs. Tests, debugs and refines the computer programs to produce the required product, and assists in the preparation of required documentation including both program and user level documentation.
Minimal Education:	High School graduate or equivalent

Commercial Job Title: **165 - Programmer I I**
Minimal / General 10 years general experience.
Experience:
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.
Minimal Education: Bachelor's degree from an accredited college or university in a Computer Science or related Engineering Discipline

Commercial Job Title: **166 - Programmer III**
Minimal / General A total of ten (10) years of system development experience. Will have a minimum of five (5) years' experience writing software programs.
Experience:
Functional Responsibility: Works on application problems involving all phases of software development and maintenance. Assist in analyzing systems requirements and in developing detailed design specifications; in developing block diagrams and logic flowcharts, and translates detailed designs to computer programs. Tests, debugs and refines the computer programs to produce the required product, and assists in the preparation of required documentation including both program and user level documentation.
Minimal Education: High School graduate or equivalent

Commercial Job Title: **167 - Programmer IV**
Minimal / General A total of twelve (12) years of system development experience. Will have a minimum of six (6) years' experience writing software programs.
Experience:
Functional Responsibility: Leads and oversees efforts on working with complex application problems involving all phases of software development and maintenance. Analyzes systems requirements and develops detailed design specifications, develops block diagrams and logic flowcharts, and translates detailed designs to computer programs. Tests, debugs and refines the computer programs to produce the required product, and assists in the preparation of required documentation including both program and user level documentation. Provide technical assistance to less experienced programmers.
Minimal Education: High School graduate or equivalent

Commercial Job Title: **168 - Software Engineer I**
Minimal / General 1-2 years general experience with software/systems development projects
Experience: Experience in large-scale system development projects.
Functional Responsibility: Assist in the development of System Development Life Cycle (SDLC) standards and standards compliance review. Assist in performing software quality control, process documentation and risk assessment. Education in Computer Science or related study.
Minimal Education: Education in Computer Science or related study

Commercial Job Title: **169 - Software Engineer II**
Minimal / General Education in Computer Science or related study and three (3) years' experience.
Experience: Experience in large-scale system development projects.
Functional Responsibility: Development of System Development Life Cycle (SDLC) standards and standards compliance review. Perform software quality control, process documentation and risk assessment.
Minimal Education: Education in Computer Science or related study

Commercial Job Title: **170 - Software Engineer III**
Minimal / General Degree in Computer Science or related study and five (5) years' experience. Extensive experience in large-scale system development projects.
Experience:
Functional Responsibility: Leads and oversees all efforts in development of System Development Life Cycle (SDLC) standards and standards compliance review. Perform software quality control, process documentation and risk assessment. Provide technical assistance to less

Minimal Education:	experienced software engineers. Degree in Computer Science or related study
Commercial Job Title:	<u>171 - Software Network Engineer -Senior</u>
Minimal / General Experience:	Degree in Computer Science or related study and five (5) years' experience. Extensive experience in multi-vendor systems software.
Functional Responsibility:	Leads and oversees efforts to design, implement, install, document and maintain complex or large scale systems software, which may have many modules or inter-relations with other software systems.
Minimal Education:	Degree in Computer Science or related study
Commercial Job Title:	<u>172 - Web Specialist, I</u>
Minimal / General Experience:	Associates degree from an accredited junior college with 4-6 years general experience.
Functional Responsibility:	Assists in designing, developing, troubleshooting, debugging, and implementing software code for components of the website in support of Information Technology (IT) projects. Works with graphic designers and other members of a project team to develop the site concept, interface design, and architecture of the website.
Minimal Education:	Associates degree from an accredited junior college
Commercial Job Title:	<u>173 - Web Specialist, II</u>
Minimal / General Experience:	Bachelor's degree from an accredited college or university with 4-6 years general experience.
Functional Responsibility:	Designs, develops, troubleshoots, debugs, and implements software code for components of the website in support of Information Technology (IT) projects. Works with graphic designers and other members of a project team to develop the site concept, interface design, and architecture of the website.
Minimal Education:	Bachelor's degree from an accredited college or university
Commercial Job Title:	<u>174 - Web Specialist, III</u>
Minimal / General Experience:	6-8 years directly related experience.
Functional Responsibility:	Manages the design, development, troubleshooting, debugging, and implementation of software code for components of the website in support of Information Technology (IT) projects. Works with graphic designers and other members of a project team to develop the site concept, interface design, and architecture of the website. Responsible for interface implementation. Supervises staff.
Minimal Education:	Bachelor's degree from an accredited college or university in a Computer Science or related Engineering Discipline.
Commercial Job Title:	<u>175 - QA Specialist, I</u>
Minimal / General Experience:	4-6 years general experience.
Functional Responsibility:	Provides technical and administrative direction for personnel performing software development tasks, including the review of work products for correctness, adherence to the design concept and to user standards, review of program documentation to assure government standards/requirements are adhered to, and for progress in accordance with schedules.
Minimal Education:	Bachelor's degree from an accredited college or university
Commercial Job Title:	<u>176 - QA Specialist, II</u>
Minimal / General Experience:	6-8 years general experience.
Functional Responsibility:	Provides technical and administrative support for personnel performing software development tasks, including the review of work products for correctness, adherence to the design concept and to user standards, review of program documentation to assure government standards/requirements are adhered to, and progress to schedules.

Minimal Education:	Bachelor's degree from an accredited college or university
Commercial Job Title:	<u>177 - QA Specialist, III</u>
Minimal / General Experience:	10 years directly related experience.
Functional Responsibility:	Establishes and maintains a process for evaluating software and associated documentation. Determines the resources required for quality control. Maintains the level of quality throughout the software life cycle. Conducts formal and informal reviews at pre-determined points throughout the development life cycle. Provides daily supervision and direction to support staff.
Minimal Education:	Bachelor's degree from an accredited college or university in a Computer Science or related Engineering Discipline.
Commercial Job Title:	<u>178 - Systems Administrator, I</u>
Minimal / General Experience:	4-6 years general experience.
Functional Responsibility:	Assists in the daily activities of configuration and operation of business systems which may be mainframe, mini, or client/server based. Assists in optimizing system operation and resource utilization, and performing system capacity analysis and planning. Provides assistance to users in accessing and using business systems.
Minimal Education:	Bachelor's degree from an accredited college or university.
Commercial Job Title:	<u>179 - Systems Administrator, II</u>
Minimal / General Experience:	6-8 years general experience.
Functional Responsibility:	Supervises and manages the daily activities of configuration and operation of business systems which may be mainframe, mini, or client/server based. Assists in optimizing system operation and resource utilization, and performing system capacity analysis and planning. Provides assistance to users in accessing and using business systems.
Minimal Education:	Bachelor's degree from an accredited college or university.
Commercial Job Title:	<u>180 - Systems Administrator, III</u>
Minimal / General Experience:	10 years directly related experience.
Functional Responsibility:	Supervises and manages the daily activities of configuration and operation of business systems which may be mainframe, mini, or client/server based. Optimizes system operation and resource utilization, and performs system capacity analysis and planning. Provides assistance to users in accessing and using business systems. Supervises staff.
Minimal Education:	Bachelor's degree from an accredited college or university in a Computer Science or related Engineering Discipline.
Commercial Job Title:	<u>181 - Systems Architect I</u>
Minimal / General Experience:	General experience includes increasing responsibilities in systems engineering. Three (3) years of experience.
Functional Responsibility:	Establishes system information requirements using analysis in the development of enterprise-wide or large-scale information systems. Designs architecture to include the software, hardware and communications to support the total requirement as well as provide for present and future cross-functional requirements and interfaces. Experience in structured analysis, design methodologies and the operational and technical architecture of large and complex information systems.
Minimal Education:	General experience includes increasing responsibilities in systems engineering.
Commercial Job Title:	<u>182 - Systems Architect II</u>

Minimal / General Experience:	General experience includes increasing responsibilities in systems engineering. Five (5) years of experience.
Functional Responsibility:	Establishes system information requirements using analysis in the development of enterprise-wide or large-scale information systems. Designs architecture to include the software, hardware and communications to support the total requirement as well as provide for present and future cross-functional requirements and interfaces. Experience in structured analysis, design methodologies and the operational and technical architecture of large and complex information systems.
Minimal Education:	General experience includes increasing responsibilities in systems engineering.
Commercial Job Title:	<u>183 - Systems Architect III</u>
Minimal / General Experience:	General experience includes increasing responsibilities in systems engineering. Six (6) or more years of experience.
Functional Responsibility:	Establishes system information requirements using analysis in the development of enterprise-wide or large-scale information systems. Designs architecture to include the software, hardware and communications to support the total requirement as well as provide for present and future cross-functional requirements and interfaces. Experience in structured analysis, design methodologies and the operational and technical architecture of large and complex information systems.
Minimal Education:	General experience includes increasing responsibilities in systems engineering.
Commercial Job Title:	<u>184 - Systems Engineer I</u>
Minimal / General Experience:	Minimum five (5) years technical experience in a CA-DATACOM/DB environment with CICS as the telecommunications software. General ADP experience in an IBM or IBM compatible mainframe environment running an MVS operating system and CICS to handle telecommunications.
Functional Responsibility:	Lead and oversee all efforts to translate data of information into hardware, software, and procedural recommendations. Perform the planning of uninterrupted transition to and staging of implementation to hardware/software procured by The Government. Develop and write position papers, planning guides, technical specifications, and user guides. Provide technical leadership and direction on extremely complex system throughput problems or crucial database software problems as required. Bachelor's Degree or Commercial Certification. Four (4) years' experience will be considered an equivalency for the Bachelor's Degree.
Minimal Education:	Bachelor's Degree or Commercial Certification. Four (4) years' experience will be considered an equivalency for the Bachelor's Degree.
Commercial Job Title:	<u>185 - Systems Engineer II</u>
Minimal / General Experience:	Minimum seven (7) years technical experience in a CA-DATACOM/DB environment with CICS as the telecommunications software. General ADP experience in an IBM or IBM compatible mainframe environment running an MVS operating system and CICS to handle telecommunications.
Functional Responsibility:	Translates data of information into hardware, software, and procedural recommendations. Perform the planning of uninterrupted transition to and staging of implementation to hardware/software procured by The Government. Develop and write position papers, planning guides, technical specifications, and user guides. Provide technical leadership and direction on extremely complex system throughput problems or crucial database software problems as required.
Minimal Education:	Bachelor's Degree or Commercial Certification. Four (4) years' experience will be considered an equivalency for the Bachelor's Degree.
Commercial Job Title:	<u>186 - Systems Engineer III</u>
Minimal / General Experience:	Minimum ten (10) years technical experience in a CA-DATACOM/DB environment with CICS as the telecommunications software. General ADP experience in an IBM or IBM compatible mainframe environment running an MVS operating system and CICS to handle telecommunications.
Functional Responsibility:	Lead and oversee all efforts to translate data of information into hardware, software,

Minimal Education:	and procedural recommendations. Perform the planning of uninterrupted transition to and staging of implementation to hardware/software procured by The Government. Develop and write position papers, planning guides, technical specifications, and user guides. Provide technical leadership and direction on extremely complex system throughput problems or crucial database software problems as required. Bachelor's Degree or Commercial Certification. Four (4) years' experience will be considered an equivalency for the Bachelor's Degree.
Commercial Job Title: Minimal / General Experience: Functional Responsibility:	<u>187 - Technical Expert</u> A minimum of ten (10) years of extensive experience in the ADP arena. Provides subject matter expertise in the area of IT resources, to include the specialized field of telecommunications, beyond that of other labor categories in relationship to this field. The knowledge, skills, and experience of this individual are of such depth, applicability to the task (s) at hand, and recognized by the professional community that the Government can qualify the individual as an expert in his field. Specific subject matter expertise will be utilized to resolve critical issues expeditiously.
Commercial Job Title: Minimal / General Experience: Functional Responsibility:	<u>188 - Technical Writer, I</u> 4-6 years general experience. Experience as a technical writer/editor Assists in collecting and organizing information required for preparation of user's manuals, training materials, installation guides, proposals, and reports. Edits functional descriptions, system specifications, user's manuals, special reports, or any other customer deliverables and documents.
Minimal Education:	Associates degree from an accredited junior college
Commercial Job Title: Minimal / General Experience: Functional Responsibility:	<u>190 - Technical Writer, III</u> 6 to 10 years general experience in technical writing /editing Collects and organizes information required for preparation of user's manuals, training materials, installation guides, proposals, and reports. Creates and/or Edits functional descriptions, system specifications, user's manuals, special reports, or any other customer deliverables and documents. Supervises staff.
Minimal Education:	Bachelor's degree from an accredited college
Commercial Job Title: Minimal / General Experience: Functional Responsibility:	<u>191 - Training Specialist</u> Experience in developing and providing technical and end-user training on imaging systems and information storage technologies. Demonstrated ability to communicate orally and in writing. Three (3) years of experience. Develops and revises training courses, and prepares appropriate training catalogs. Prepare instructor materials (course outline, background material, and training aids). Prepare student materials (course manuals, workbooks, and handouts). Trains personnel by conducting formal classroom courses, workshops and seminars.
Minimal Education:	High School diploma, Associates degree or Bachelor's degree from an accredited college
Commercial Job Title:	<u>192 - Senior Software Engineer</u>
Minimal / General Experience:	Ten or more years of progressive, directly related experience that includes the design, development and implementation of business computer systems and programs, at least four of the required years should have been in a supervisory capacity.

Functional Responsibility:	Requires specialized subject matter expertise in the principles and techniques of systems design, programming, and project management as well as extensive, directly related and progressive experience. Knowledge is applied to research and evaluation involving innovative solutions and alternatives. Make decisions of critical consequence impacting administration and management of major, broad organizational services and long range goals. Has first level supervisory responsibility for managing several project teams/units with subordinate professional supervisors. Most frequently meets with administrators, directors and administrative staff or functional and programmatic subject area specialist to plan and direct activities, implement decisions, justify or defend decisions and negotiate or settle significant and/or controversial issues.
Example of Duties:	Analyze and evaluate information processing problems, plans, procedures and requirements of organizations. Formulate and express ideas on difficult and complex concepts in a clear and effectively presented manner, both orally and in writing. Prepare work plans, and time and cost estimates for projects and proposed systems. Direct and coordinate assigned project teams through subordinate supervisors. Read, interpret, and apply the information contained in complex technical publications, manuals, and other documents. Apply new developments in the field of data processing and related equipment and technology. Plan, prepare and conduct training classes for data processing personnel. Develop long- and short-range plans for systems development and the utilization of resources.
Possible Job Titles:	Senior Programmer, Senior Systems Analyst, Senior Technical Advisor, Senior Programmer/Analyst, Senior Systems Developer, Senior Web Developer, Senior Project Manager.
Minimal Education:	Advanced degree in related subject area or Bachelor's degree and six years practical experience or equivalent.
Commercial Job Title:	<u>198 - Systems Software Analyst Level I</u>
Minimal / General Experience:	Four years of directly related experience in the design, development and implementation of systems software and/or business application systems for computer system using advanced programming languages.
Functional Responsibility:	Requires specialized subject matter expertise in operating systems and related system software for computers in a large multi-user environment; The characteristics, capabilities, and uses of operating system components and related vendor supplies and software packages; Software systems including coding and assembly level, procedural and non-procedural, and job control languages; Operating systems and database systems, and teleprocessing systems; As well as extensive directly related and progressive experience; Knowledge is applied to research and evaluation significant impact or consequence involving highly specialized and technical areas impacting recommendations and development of new policies, procedures and services.
Example of Duties:	Duties may include, but are not limited to the following: Design, code, implement, maintain, and evaluate computer operating software; Analyze existing hardware products and related commercial software packages to determine the feasibility of using existing products in place of developing new software in-house; Prepare technical specifications to be used in requests for proposals or quotations; Evaluate the impact of new applicants to determine their impact on existing operations and system software and system performance; Consult with technical and managerial personnel, and recommend solutions to identify problems affecting operating systems performance; Recommend technical standards and policies; Perform operating system generations; Analyze and coordinate

with vendors for new versions of operating systems; Develop and implement procedures for back-up, restart, and recovery of all software components and major files; Coordinate with technical personnel of vendors for troubleshooting, maintaining, and implementing new software and hardware components to operating systems; Analyze computer performance statistics and make changes to the appropriate software components to attain maximum system performance; Coordinate with and assist staff members in implementing, maintaining, and troubleshooting teleprocessing, database, and other system software; Prepare and conduct training sessions for operations and programming personnel regarding programming and operation techniques and software concepts; Coordinate with application systems and programming personnel, and assist and advise them in the diagnosis and correction of software and hardware problems associated with application programs; May develop, program, and implement data center support systems; perform related duties as assigned.

Possible Job Titles: Web Developer, Graphic Designer, Multimedia Designer, Webmaster, Document Imaging/Management programmer, Database Administrator, Help-Desk Manager, Senior Test Specialist, Tester, LAN/WAN Specialist, Documentation Specialist and Scripter.

Minimal Education: Bachelor's degree with major coursework in computer science, engineering, mathematics, or equivalent.

Commercial Job Title: **199 - Systems Software Analyst Level II**

Minimal / General Experience: Five years' experience in the design, development and implementation of systems software and/or business application systems for computer system using advanced programming languages.

Functional Responsibility: Requires specialized subject matter expertise in operating systems and related system software for computers in a large multi-user environment; The characteristics, capabilities, and uses of operating system components and related vendor supplies and software packages; Software systems including coding and assembly level, procedural and non procedural, and job control languages; Operating systems and database systems, and teleprocessing systems; As well as extensive directly related and progressive experience; Knowledge is applied to research and evaluation significant impact or consequence involving highly specialized and technical areas impacting recommendations and development of new policies, procedures and services; Most frequently meets with administrative staff.

Example of Duties: Duties may include, but are not limited to the following: Design, code, implement, maintain, and evaluate computer operating software; Analyze existing hardware products and related commercial software packages to determine the feasibility of using existing products in place of developing new software in-house; Prepare technical specifications to be used in requests for proposals or quotations; Evaluate the impact of new applicants to determine their impact on existing operations and system software and system performance; Consult with technical and managerial personnel, and recommend solutions to identify problems affecting operating systems performance; Recommend technical standards and policies; Perform operating system generations; Analyze and coordinate with vendors for new versions of operating systems; Develop and implement procedures for back-up, restart, and recovery of all software components and major files; Coordinate with technical personnel of vendors for troubleshooting, maintaining, and implementing new software and hardware components to operating systems; Analyze computer performance statistics and make changes to the appropriate software components to attain maximum system performance; Coordinate

with and assist staff members in implementing, maintaining, and troubleshooting teleprocessing, database, and other system software; Prepare and conduct training sessions for operations and programming personnel regarding programming and operation techniques and software concepts; Coordinate with application systems and programming personnel, and assist and advise them in the diagnosis and correction of software and hardware problems associated with application programs; May develop, program, and implement data center support systems; perform related duties as assigned.

Possible Job Titles: Web Developer, Sr. Graphic Designer, Multimedia Designer, Document Imaging/Management programmer, Database Administrator, Help-Desk Manager, Senior Test Specialist, LAN/WAN Specialist, Documentation Specialist, Webmaster and Scriptor, CAD Operator, Senior Customer Support Specialist.

Minimal Education: Bachelor's degree with major coursework in computer science, engineering, mathematics, or related field, with 1-year practical experience, or equivalent.

Commercial Job Title: **200 - Systems Software Analyst Level III/Multimedia Specialist Level II**

Minimal / General Experience: Six years of directly related experience in the design, development and implementation of systems software and/or business application systems for computer system using advanced programming languages.

Functional Responsibility: Requires specialized subject matter expertise in operating systems and related system software for computers in a large multi-user environment; The characteristics, capabilities, and uses of operating system components and related vendor supplies and software packages; Software systems including coding and assembly level, procedural and non-procedural, and job control languages; Operating systems and database systems, and teleprocessing systems; As well as extensive directly related and progressive experience; Knowledge is applied to research and evaluation significant impact or consequence involving highly specialized and technical areas impacting recommendations and development of new policies, procedures and services; Has functional or technical supervision over lower level positions of Systems Software Analyst I & II; Most frequently meets with administrative, management, and professional staff, as well as functional and/or programmatic subject matter specialists to influence, motivate and to act as a liaison for a program or department.

Example of Duties: Duties may include, but are not limited to the following: Design, code, implement, maintain, and evaluate computer operating software; Analyze existing hardware products and related commercial software packages to determine the feasibility of using existing products in place of developing new software in-house; Prepare technical specifications to be used in requests for proposals or quotations; Evaluate the impact of new applicants to determine their impact on existing operations and system software and system performance; Consult with technical and managerial personnel, and recommend solutions to identify problems affecting operating systems performance; Recommend technical standards and policies; Perform operating system generations; Analyze and coordinate with vendors for new versions of operating systems; Develop and implement procedures for back-up, restart, and recovery of all software components and major files; Coordinate with technical personnel of vendors for troubleshooting, maintaining, and implementing new software and hardware components to operating systems; Analyze computer performance statistics and make changes to the appropriate

software components to attain maximum system performance; Coordinate with and assist staff members in implementing, maintaining, and troubleshooting teleprocessing, database, and other system software; Prepare and conduct training sessions for operations and programming personnel regarding programming and operation techniques and software concepts; Coordinate with application systems and programming personnel, and assist and advise them in the diagnosis and correction of software and hardware problems associated with application programs; May develop, program, and implement data center support systems; perform related duties as assigned.

Possible Job Titles: Web Developer, Sr. Graphic Designer, Multimedia Designer/Specialist, Document Imaging/Management programmer, Database Administrator, Help-Desk Manager, Senior Test Specialist, LAN/WAN Specialist, Documentation Specialist and Scriptor.

Minimal Education: Bachelor's degree with major coursework in computer science, engineering, mathematics, or related field, with 2 years practical experience, or equivalent.

Commercial Job Title: **201 - Systems Software Analyst Level IV**

Minimal / General Experience: Eight years of directly related experience in the design, development and implementation of systems software and/or business application systems for computer system using advanced programming languages.

Functional Responsibility: Requires specialized subject matter expertise in operating systems and related system software for computers in a large multi-user environment; The characteristics, capabilities, and uses of operating system components and related vendor supplies and software packages; Software systems including coding and assembly level, procedural and non-procedural, and job control languages; Operating systems and database systems, and teleprocessing systems; As well as extensive directly related and progressive experience; Knowledge is applied to research and evaluation significant impact or consequence involving highly specialized and technical areas impacting recommendations and development of new policies, procedures and services; Has functional or technical supervision over lower level positions of Systems Software Analyst I,II & III; Most frequently meets with administrative, management, and professional staff, as well as functional and/or programmatic subject matter specialists to influence, motivate and to act as a liaison for a program or department.

Example of Duties: Duties may include, but are not limited to the following: Design, code, implement, maintain, and evaluate computer operating software; Analyze existing hardware products and related commercial software packages to determine the feasibility of using existing products in place of developing new software in-house; Prepare technical specifications to be used in requests for proposals or quotations; Evaluate the impact of new applicants to determine their impact on existing operations and system software and system performance; Consult with technical and managerial personnel, and recommend solutions to identify problems affecting operating systems performance; Recommend technical standards and policies; Perform operating system generations; Analyze and coordinate with vendors for new versions of operating systems; Develop and implement procedures for back-up, restart, and recovery of all software components and major files; Coordinate with technical personnel of vendors for troubleshooting, maintaining, and implementing new software and hardware components to operating systems; Analyze computer performance statistics and make changes to the appropriate software components to attain maximum system performance; Coordinate with and assist staff members in implementing, maintaining, and troubleshooting teleprocessing, database, and other system software;

	Prepare and conduct training sessions for operations and programming personnel regarding programming and operation techniques and software concepts; Coordinate with application systems and programming personnel, and assist and advise them in the diagnosis and correction of software and hardware problems associated with application programs; May develop, program, and implement data center support systems; perform related duties as assigned.
Possible Job Titles:	Web Developer, Sr. Graphic Designer, Multimedia Designer/Specialist, Document Imaging/Management programmer, Database Administrator, Help-Desk Manager, Senior Test Specialist, LAN/WAN Specialist, Documentation Specialist.
Minimal Education:	Bachelor's degree with major coursework in computer science, engineering, mathematics, or related field, with 4 years practical experience, or equivalent.
Commercial Job Title:	<u>202 - Systems Software Analyst Level V/ Principal Technical Advisor</u>
Minimal / General Experience:	Ten years of directly related experience in the design, development and implementation of systems software and/or business application systems for computer system using advanced programming languages.
Functional Responsibility:	Requires specialized subject matter expertise in operating systems and related system software for computers in a large multi-user environment; The characteristics, capabilities, and uses of operating system components and related vendor supplies and software packages; Software systems including coding and assembly level, procedural and non procedural, and job control languages; Operating systems and database systems, and teleprocessing systems; As well as extensive directly related and progressive experience; Knowledge is applied to research and evaluation significant impact or consequence involving highly specialized and technical areas impacting recommendations and development of new policies, procedures and services; Has functional or technical supervision over lower level positions of Systems Software Analyst I, II, III & IV; Most frequently meets with administrative, management, and professional staff, as well as functional and/or programmatic subject matter specialists to influence, motivate and to act as a liaison for a program or department.
Example of Duties:	Duties may include, but are not limited to the following: Design, code, implement, maintain, and evaluate computer operating software; Analyze existing hardware products and related commercial software packages to determine the feasibility of using existing products in place of developing new software in-house; Prepare technical specifications to be used in requests for proposals or quotations; Evaluate the impact of new applicants to determine their impact on existing operations and system software and system performance; Consult with technical and managerial personnel, and recommend solutions to identify problems affecting operating systems performance; Recommend technical standards and policies; Perform operating system generations; Analyze and coordinate with vendors for new versions of operating systems; Develop and implement procedures for back-up, restart, and recovery of all software components and major files; Coordinate with technical personnel of vendors for troubleshooting, maintaining, and implementing new software and hardware components to operating systems; Analyze computer performance statistics and make changes to the appropriate software components to attain maximum system performance; Coordinate with and assist staff members in implementing, maintaining, and troubleshooting teleprocessing, database, and other system software; Prepare and conduct training sessions for operations and programming personnel regarding programming and operation techniques and software

	concepts; Coordinate with application systems and programming personnel, and assist and advise them in the diagnosis and correction of software and hardware problems associated with application programs; May develop, program, and implement data center support systems; perform related duties as assigned.
Possible Job Titles:	Web Developer, Sr. Graphic Designer, Multimedia Designer/Specialist, Document Imaging/Management programmer, Database Administrator, Help-Desk Manager, Principal Technical Advisor, Senior Test Specialist, LAN/WAN Specialist, Documentation Specialist.
Minimal Education:	Bachelor's degree with major coursework in computer science, engineering, mathematics, or related field, with 6 years practical experience, or equivalent.
Commercial Job Title:	<u>210 – Help-Desk Administrator</u>
Minimal / General Experience:	Three years of progressive experience in providing help-desk support and administration with at least two years' experience in supporting and troubleshooting COTS software, Operating Systems and hardware malfunction.
Functional Responsibility:	Under the supervision of a Task Manager or Project Manager provide help desk activity for purposes of resolving end-users hardware and software problem through telephone assistance for installation and configuration of personal computer hardware and peripherals, network client software and application software.
Example of Duties:	Log trouble call and resolution into the helpdesk database (including problem and solution). Unresolved calls should be escalated to onsite technicians for resolution. Trouble call will be closed out when resolution is recorded. Track all incoming calls, scheduling appointments, ensuring call follow-up and maintain the Help-Desk data base tracking system. Provide technical assistance to end-users aimed at helping them develop their own applications using COTS software such as Excel, Word, Lotus Notes, Access, PowerPoint, etc. Provide assistance on the selection of appropriate hardware/software before the initiation of a project. Coordinate all applications development efforts with the assigned personnel, identify, analyze, and effect resolution in properly identifying and isolating the source of hardware and software problems. Provide end-users with practical, how-to advice, primarily focused on product functionality, configuration and documented features. Track problems in database to determine software and hardware "lemons" or common problems that must be addressed on a higher level. Assist in identifying peripheral hardware supplies in support of information processing activities, such as toner cartridges and ink cartridges; but not including parts covered under other maintenance contracts. Maintain maintenance records on equipment. Contract warranty and maintenance agreement vendors for remedial and emergency repairs when hardware malfunctions occur. Develop operations, administrative, and quality assurance back up plans, as well as procedural documentation. Recognizing and taking appropriate action(s) with regard to equipment and/or software problems and notifying appropriate personnel of systems degradations. Complete incident reports for all critical or unusual occurrences, (i.e., workstation or server failures). Provide beginning-to-end problem management for critical or difficult-to-resolve problems; coordinate with other responsible personnel to ensure problem resolution. Develop and maintain the ability to address simple business line application issues, as well as direct more complex problems, perform other duties as assigned.
Possible Job Titles:	Application Specialist, Customer Support Specialist, Junior LAN/WAN Specialist.

Minimal Education:	High-School Diploma, or Microsoft Certified Product Specialist (MCP) Certification or equivalent.
Commercial Job Title:	<u>211 – Multimedia Specialist Level I</u>
Minimal / General Experience:	Four years of directly related experience in the design, development and implementation of systems software and/or business application systems for computer system using advanced programming languages.
Functional Responsibility:	Requires specialized subject matter expertise in video and audio techniques, multimedia file formats, as well as in streaming technologies and protocols; possesses a background in movie/video making, sound recording, storyboarding and site mock-up, operating systems and related system software for computers in a large multi-user environment; The characteristics, capabilities, and uses of operating system components and related vendor supplies and software packages; Software systems including coding and assembly level, procedural and non procedural, and job control languages; Operating systems and database systems, and teleprocessing systems; As well as extensive directly related and progressive experience; Knowledge is applied to research and evaluation significant impact or consequence involving highly specialized and technical areas impacting recommendations and development of new policies, procedures and services.
Example of Duties:	Duties may include, but are not limited to the following: Design, code, implement, maintain, and evaluate computer operating software; Analyze existing hardware products and related commercial software packages to determine the feasibility of using existing products in place of developing new software in-house; Prepare technical specifications to be used in requests for proposals or quotations; Evaluate the impact of new applicants to determine their impact on existing operations and system software and system performance; Consult with technical and managerial personnel, and recommend solutions to identify problems affecting operating systems performance; Recommend technical standards and policies; Perform operating system generations; Analyze and coordinate with vendors for new versions of operating systems; Develop and implement procedures for back-up, restart, and recovery of all software components and major files; Coordinate with technical personnel of vendors for troubleshooting, maintaining, and implementing new software and hardware components to operating systems; Analyze computer performance statistics and make changes to the appropriate software components to attain maximum system performance; Coordinate with and assist staff members in implementing, maintaining, and troubleshooting teleprocessing, database, and other system software; Prepare and conduct training sessions for operations and programming personnel regarding programming and operation techniques and software concepts; Coordinate with application systems and programming personnel, and assist and advise them in the diagnosis and correction of software and hardware problems associated with application programs; May develop, program, and implement data center support systems; perform related duties as assigned.
Possible Job Titles:	Web Developer, Graphic Designer, Multimedia Designer, Webmaster, Document Imaging/Management programmer, Database Administrator, Help-Desk Manager, Senior Test Specialist, LAN/WAN Specialist, Documentation Specialist and Scriptor
Minimal Education:	Bachelor's degree with major coursework in computer science, engineering, mathematics, with 1-year practical experience, or equivalent.

Commercial Job Title: **212 – Information Architect**

Minimal / General Experience: 6 to 10 years' experience in applications and systems
Under the supervision of the Senior Information Architect develop applications architectures for Government solutions. Possesses the capability to design or develop architectures for applications, implementation or software development plans, or integration plans based on different software and web environments. Has the ability to use experience and technical judgment to reach conclusions in the face of limited and/or uncertain data. Supervises or manages the application architecture and is considered a subject matter expert in the field. Capable of interfacing with teams of specialty Engineers working on complex software development projects.

Functional Responsibility: Provides lead analysis for translating customer needs into the design of applications. Provides leadership or direction on innovative research associated with the development of application architectures. Performs management responsibilities for a program or staff for software architecture projects. May perform other duties as required.

Example of Duties: Provide architecture for application and systems geared for enterprise deployment. Develop and design enterprise systems management and infrastructure topology for region-wide applications. Evaluate and recommend viable design alternatives, products, and services to existing network and applications configurations and deployment. Assess and provide feedback on complex designs and architectural modules through on-site analysis at different locations, and also through the vendors; devise and implement strategies for potential software and hardware solutions. Work with Senior Architect and provide assistants, feedback and input.

Possible Job Titles: Principal Engineer, Senior Communications Engineer, Engineer, Senior Computer Specialist.

Minimal Education: Advanced degree preferred or a Bachelor's degree in computer science, engineering, mathematics, or related field, with 5 years practical experience, or equivalent.

Commercial Job Title: **213 – Program Manager**

Minimal / General Experience: 6 to 10 years' experience in program management or project management
Practical experience in defining, developing, and managing government and private programs in accord with project management processes and procedures. Having previous experience in a multi-disciplinary methodological and technical environment. Excellent client interface, coordination and verbal/written communications skills. Experience in the structured software development environment. Must have the ability to work independently, proactively and with sensitivity to Government/Federal cultural, political, and organizational considerations.

Functional Responsibility: Serves as the Project Manager on multi-contractor Project Management engagements developing, implementing and operating project and program management functions as outlined by PMI.

1. The Program Manager will lead the establishment of a common framework, processes, procedures, tools, measurement and reporting of project operations consistent with the governing lifecycle methodologies.
2. During operational cycles, you will be responsible for proactive data collection, data analyses, tracking, monitoring and control, reporting, action item/issue coordination and execution of concurrent projects.

3. These activities will include the following management disciplines:
 - Risk & Issue Management
 - Quality Assurance
 - Stakeholder Management
 - Requirements development (business, systems, and training)
 - Business analysis
 - Functional design, testing, implementation and on-going support for new systems needs

Example of Duties:	Duties may include, but are not limited to the following: Plan, organize and administer program activities and services; select, train, supervise and evaluate the performance of staff; serve as resource to staff; prepare and implement a marketing strategy to promote the program services; make presentations to groups and clients; develop budgets and oversee administration of program budget components; identify funding sources and work with accounting personnel to ensure that accounts follow funding source regulations and requirements; make financial projections which may combine funding from different sources; prepare and negotiate contracts for the delivery of program services, negotiate contracts for services performed for the program by individual consultants; assist in the development and implementation of project or program policy guidelines and procedures; make suggested revisions and implement changes; developments and strategies affecting program objectives and results; prepare specialized reports, surveys and other program descriptive information and materials; monitor program data and information collection methods and techniques, perform related duties as assigned.
Possible Job Titles:	Technical Account Manager, Technical Consultant, Engagement Manager.
Minimal Education:	MBA degree and Bachelor's degree with major coursework in computer science, engineering, mathematics, or equivalent.
Commercial Job Title:	<u>214 – Senior Information Architect</u>
Minimal / General Experience:	Has broad, high-level knowledge of applications architectures for Government solutions. Possesses the capability to direct, design, or develop architectures for applications, implementation or software development plans, or integration plans based on different software and web environments. Has the ability to use experience and technical judgment to reach conclusions in the face of limited and/or uncertain data. Able to develop application architecture Requests for Proposals (RFPs) and to evaluate responses to RFPs. Supervises or manages the application architecture and is considered a leading expert in the field. Capable of supervising multiple teams of specialty Engineers working on highly complex software development projects. Plan, organize and administer activities and services; select, train, supervise and evaluate the performance of staff.
Functional Responsibility:	Provides lead analysis for translating customer needs into the design of applications. Provides leadership or direction on innovative research associated with the development of application architectures. Performs management responsibilities for a program or staff for software architecture projects. May perform other duties as required.
Example of Duties:	Provide architecture for application and systems geared for enterprise deployment. Develop and design enterprise systems management and infrastructure topology for region-wide applications. Evaluate and recommend viable design alternatives, products, and services to existing

network and applications configurations and deployment. Assess and provide feedback on complex designs and architectural modules through on-site analysis at different locations, and also through the vendors; devise and implement strategies for potential software and hardware solutions

Possible Job Titles: Principal Engineer, Senior Communications Engineer, Engineer, Senior Computer Specialist.

Minimal Education: Advanced degree preferred or a Bachelor's degree in computer science, engineering, mathematics, or related field, with 5 years practical experience, or equivalent.

Commercial Job Title: **215 – Technical Writer**

Minimal / General Experience: Assists in collecting and organizing information required for preparation of user's manuals, training materials, installation guides, proposals, reports, and other systems/applications documentations.

Functional Responsibility: Develop, write, edits functional descriptions, system specifications, user's manuals, special reports, or any other customer deliverables and documents.

Example of Duties: Writes, in clear and concise language, such technical documents as procedure manuals, service manuals, and related technical publications concerned with installation, operation, and maintenance of information technology systems and other related network, software and hardware equipment. Includes writing such technical documentation as operational specifications, bulletins, articles, service manuals, and marketing publications. Acquires or verifies knowledge of subject by interviewing workers engaged in developing new products and services or in making improvements, observing performance of experiments and methods of production, referring to specification and design proto-types, engineering drawings and notes, trade and engineering journals, rewrites of articles, bulletins, manuals, or similar publications.

Possible Job Titles: Technical Documentation Specialist.

Minimal Education: Advanced degree preferred or a Bachelor's degree in computer science, engineering, mathematics, or related field, with 5 years practical experience, or equivalent.

For All Labor Categories:

Education may be substituted for general experience: Formal education resulting in a Bachelor's, Master's or Ph.D. degree may be substituted as the equivalent of four (4) years of experience for each degree earned.

Experience may be substituted for formal education:

Four (4) years of experience in a related field or discipline may be substituted for a Bachelor's degree.

Eight (8) years of experience in a related field or discipline may be substituted for a Master's degree.

Ten (10) years of experience in a related field or discipline may be substituted for a Ph.D. degree.

**QINETIQ NORTH AMERICA, INC.
 AUTHORIZED INFORMATION TECHNOLOGY
 HOURLY LABOR RATES**

YEAR 18 October 21, 2014 to October 20, 2015

GOVERNMENT SITE PRICING			COMPANY SITE PRICING		
	Labor Category	GSA Price		Labor Category	GSA Price
1	Junior Data Entry Operator	\$30.01	1	Junior Data Entry Operator	\$31.93
5	Journeyman Data Entry Operator	\$33.18	5	Journeyman Data Entry Operator	\$35.31
6	Computer Operator I	\$43.99	6	Computer Operator I	\$46.78
7	Computer Operator II	\$50.77	7	Computer Operator II	\$53.99
9	Data Entry Supervisor	\$41.64	9	Data Entry Supervisor	\$44.29
10	Lead Data Entry Operator	\$36.72	10	Lead Data Entry Operator	\$39.05
13	Computer Center Supervisor	\$89.91	13	Computer Center Supervisor	\$95.63
14	Senior Documentation Specialist	\$78.60	14	Senior Documentation Specialist	\$83.58
15	Data Technician	\$36.74	15	Data Technician	\$39.08
20	Technician (Associate)	\$67.56	20	Technician (Associate)	\$71.86
26	Technician	\$76.69	26	Technician	\$81.55
32	Legacy System Analyst	\$141.74	32	Legacy System Analyst	\$150.73
33	Local Area Network Technician	\$55.09	33	Local Area Network Technician	\$58.59
34	Cable Installer	\$55.09	34	Cable Installer	\$58.59
35	Local Area Network Specialist (CNA)	\$67.67	35	Local Area Network Specialist (CNA)	\$71.96
36	Info. Assurance Network Specialist, Intermediate	\$89.52	36	Info. Assurance Network Specialist, Intermediate	\$95.20
37	Web Designer	\$86.95	37	Web Designer	\$92.48

39	Information Assurance Network Specialist, Senior	\$119.35	39	Information Assurance Network Specialist, Senior	\$126.93
42	Voice Communications Manager	\$136.53	42	Voice Communications Manager	\$145.21
43	Computer Systems/Network Integration	\$154.50	43	Computer Systems/Network Integration	\$164.31
47	Subject Matter Expert	\$92.62	47	Subject Matter Expert	\$98.49
48	Communication Engineer	\$109.94	48	Communication Engineer	\$116.92
49	Senior Functional Specialist	\$124.85	49	Senior Functional Specialist	\$132.78
51	Principal Business Process Reengineering Specialist	\$172.90	51	Principal Business Process Reengineering Specialist	\$183.87
52	Principal Engineer/Analyst	\$205.40	52	Principal Engineer/Analyst	\$218.43
53	Project Manager/Subject Matter Expert	\$201.10	53	Project Manager/Subject Matter Expert	\$213.86
54	Information Assurance Development Engineer, Senior	\$231.37	54	Information Assurance Development Engineer, Senior	\$246.06
55	Senior ERP Specialist	\$233.82	55	Senior ERP Specialist	\$248.65
57	Information Center/Help Desk Coordinator	\$55.38	57	Information Center/Help Desk Coordinator	\$58.91
58	Data Communication Manager	\$134.49	58	Data Communication Manager	\$143.03
59	Information Center Specialist	\$144.92	59	Information Center Specialist	\$154.12
60	Information Center Manager	\$184.59	60	Information Center Manager	\$196.31
61	Computer Security Specialist	\$90.22	61	Computer Security Specialist	\$95.97
63	Senior Computer Security Specialist	\$95.00	63	Senior Computer Security Specialist	\$101.03
64	Quality Assurance Manager	\$144.67	64	Quality Assurance Manager	\$153.85
65	Curriculum Developer	\$83.33	65	Curriculum Developer	\$88.61
67	Training Specialist Instructor (Senior)	\$96.33	67	Training Specialist Instructor (Senior)	\$102.44
68	Facility/Site Manager	\$93.13	68	Facility/Site Manager	\$99.06
70	Technical Subject Matter Expert	\$98.44	70	Technical Subject Matter Expert	\$104.68

71	Tech. Subject Matter Expert, Intermediate	\$120.36	71	Tech. Subject Matter Expert, Intermediate	\$127.98
72	Data Operations Specialist	\$80.47	72	Data Operations Specialist	\$85.56
74	Network Engineer, Senior	\$112.10	74	Network Engineer, Senior	\$119.22
76	Test Engineer, Senior	\$110.05	76	Test Engineer, Senior	\$117.04
78	Scientist/Engineer, Senior	\$205.40	78	Scientist/Engineer, Senior	\$218.43
79	Scientist/Engineer, Intermediate	\$138.68	79	Scientist/Engineer, Intermediate	\$147.47
80	Scientist/Engineer, Journeyman	\$118.46	80	Scientist/Engineer, Journeyman	\$125.98
81	Scientist/Engineer, Associate	\$98.09	81	Scientist/Engineer, Associate	\$104.31
82	Consultant	\$158.93	82	Consultant	\$169.02
83	Curriculum Development Manager	\$101.36	83	Curriculum Development Manager	\$107.79
84	Database Specialist, Senior	\$126.56	84	Database Specialist, Senior	\$134.61
86	Database Specialist, Journeyman	\$108.11	86	Database Specialist, Journeyman	\$114.98
87	Database Specialist, Associate	\$92.99	87	Database Specialist, Associate	\$98.89
88	Principal Industry Expert	\$246.17	88	Principal Industry Expert	\$261.80
89	Project Manager, Senior	\$154.09	89	Project Manager, Senior	\$163.87
90	Principal Content Manager	\$278.77	90	Principal Content Manager	\$296.47
91	Principal Information Architect	\$246.17	91	Principal Information Architect	\$261.80
92	Principal Developer	\$154.15	92	Principal Developer	\$163.95
93	Principal Business Architect	\$247.80	93	Principal Business Architect	\$263.52
94	Principal Technical Architect	\$247.80	94	Principal Technical Architect	\$263.52
95	Principal Functional Architect	\$247.80	95	Principal Functional Architect	\$263.52
96	Modeling Simulation Specialist	\$138.36	96	Modeling Simulation Specialist	\$147.13

97	Logistics Specialist	\$116.88	97	Logistics Specialist	\$124.29
98	Threat Specialist	\$273.54	98	Threat Specialist	\$290.88
99	Information Assurance Consulting Engineer, Principal	\$278.77	99	Information Assurance Consulting Engineer, Principal	\$296.47
100	Information Assurance Sys. Specialist, Senior	\$219.80	100	Information Assurance Sys. Specialist, Senior	\$233.77
101	Information Assurance Application Specialist, Senior	\$172.34	101	Information Assurance Application Specialist, Senior	\$183.28
102	Administrative Support Specialist I	\$46.12	102	Administrative Support Specialist I	\$49.04
103	Administrative Support Specialist II	\$51.49	103	Administrative Support Specialist II	\$54.76
104	Administrative Support Specialist III	\$57.88	104	Administrative Support Specialist III	\$61.55
105	Graphics Artist, I	\$98.30	105	Graphics Artist, I	\$104.51
106	Business Analyst I	\$65.36	106	Business Analyst I	\$69.51
108	Cost/Price Analyst I	\$85.95	108	Cost/Price Analyst I	\$91.41
109	Cost/Price Analyst III	\$122.30	109	Cost/Price Analyst III	\$130.07
110	Functional Analyst I	\$96.28	110	Functional Analyst I	\$102.39
111	Functional Analyst III	\$122.79	111	Functional Analyst III	\$130.58
112	Requirements Analyst I	\$96.90	112	Requirements Analyst I	\$103.04
113	Requirements Analyst II	\$101.83	113	Requirements Analyst II	\$108.28
114	Subject Matter Expert I	\$169.49	114	Subject Matter Expert I	\$180.24
115	Subject Matter Expert II	\$246.17	115	Subject Matter Expert II	\$261.80
116	Subject Matter Expert III	\$278.77	116	Subject Matter Expert III	\$296.47
117	Communications Network Manager	\$137.96	117	Communications Network Manager	\$146.73
118	Communications Network Specialist II	\$102.11	118	Communications Network Specialist II	\$108.59
119	Communications Technician I	\$52.03	119	Communications Technician I	\$55.33

120	Communications Technician II	\$70.66	120	Communications Technician II	\$75.15
121	Communications Technician III	\$78.88	121	Communications Technician III	\$83.89
122	Network Administrator I	\$73.22	122	Network Administrator I	\$77.86
123	Network Administrator II	\$109.40	123	Network Administrator II	\$116.34
124	Network Administrator III	\$115.04	124	Network Administrator III	\$122.34
125	Network Analyst I	\$93.52	125	Network Analyst I	\$99.45
126	Network Analyst II	\$112.10	126	Network Analyst II	\$119.22
127	Network Analyst III	\$124.97	127	Network Analyst III	\$132.91
128	Network Engineer I	\$93.66	128	Network Engineer I	\$99.59
129	Network Engineer II	\$113.30	129	Network Engineer II	\$120.49
130	Network Engineer III	\$133.89	130	Network Engineer III	\$142.40
131	Network Programmer I	\$98.09	131	Network Programmer I	\$104.31
132	Network Programmer IV	\$119.55	132	Network Programmer IV	\$127.15
133	Security Analyst I	\$94.36	133	Security Analyst I	\$100.34
134	Security Analyst II	\$121.33	134	Security Analyst II	\$129.04
136	Systems Security Specialist, I	\$121.33	136	Systems Security Specialist, I	\$129.04
137	Systems Security Specialist, II	\$159.41	137	Systems Security Specialist, II	\$169.53
138	Systems Security Specialist, III	\$175.37	138	Systems Security Specialist, III	\$186.50
139	Acquisition Support Specialist I	\$71.39	139	Acquisition Support Specialist I	\$75.92
140	Acquisition Support Specialist II	\$80.76	140	Acquisition Support Specialist II	\$85.88
141	Acquisition Support Specialist III	\$104.26	141	Acquisition Support Specialist III	\$110.87
143	Expert Consultant	\$158.23	143	Expert Consultant	\$168.26

144	Program Manager, I	\$137.05	144	Program Manager, I	\$145.73
145	Program Manager, II	\$166.35	145	Program Manager, II	\$176.90
146	Program Manager, III	\$193.68	146	Program Manager, III	\$205.97
147	Project Manager I	\$125.72	147	Project Manager I	\$133.70
148	Project Manager II	\$161.38	148	Project Manager II	\$171.62
149	Project Manager III	\$174.06	149	Project Manager III	\$185.11
150	Systems Analyst I	\$107.89	150	Systems Analyst I	\$114.72
151	Systems Analyst II	\$134.18	151	Systems Analyst II	\$142.71
152	Systems Analyst III	\$152.72	152	Systems Analyst III	\$162.42
153	Applications Specialist, I	\$126.28	153	Applications Specialist, I	\$134.30
154	Applications Specialist, II	\$141.22	154	Applications Specialist, II	\$150.17
155	Applications Specialist, III	\$186.22	155	Applications Specialist, III	\$198.05
156	Configuration Management Specialist, I	\$125.19	156	Configuration Management Specialist, I	\$133.14
157	Configuration Management Specialist, II	\$149.70	157	Configuration Management Specialist, II	\$159.21
158	Configuration Management Specialist, III	\$181.37	158	Configuration Management Specialist, III	\$192.87
159	Database Administrator I	\$107.58	159	Database Administrator I	\$114.40
160	Database Administrator III	\$144.48	160	Database Administrator III	\$153.65
161	Information Engineer I	\$135.70	161	Information Engineer I	\$144.31
162	Information Engineer II	\$136.82	162	Information Engineer II	\$145.50
163	Information Engineer III	\$183.78	163	Information Engineer III	\$195.43
164	Programmer I	\$98.09	164	Programmer I	\$104.31
165	Programmer III	\$120.83	165	Programmer III	\$128.48

166	Programmer IV	\$138.68	166	Programmer IV	\$147.47
167	Programmer, II	\$114.35	167	Programmer, II	\$121.61
168	Software Engineer I	\$118.46	168	Software Engineer I	\$125.98
169	Software Engineer II	\$134.26	169	Software Engineer II	\$142.77
170	Software Engineer III	\$144.21	170	Software Engineer III	\$153.36
171	Software Network Engineer -Senior	\$175.93	171	Software Network Engineer -Senior	\$187.11
172	Web Specialist, I	\$113.31	172	Web Specialist, I	\$120.51
173	Web Specialist, II	\$131.65	173	Web Specialist, II	\$140.02
174	Web Specialist, III	\$134.63	174	Web Specialist, III	\$143.16
175	QA Specialist, I	\$107.95	175	QA Specialist, I	\$114.79
176	QA Specialist, II	\$160.09	176	QA Specialist, II	\$170.25
177	QA Specialist, III	\$219.46	177	QA Specialist, III	\$233.40
178	Systems Administrator, I	\$109.35	178	Systems Administrator, I	\$116.30
179	Systems Administrator, II	\$116.23	179	Systems Administrator, II	\$123.59
180	Systems Administrator, III	\$149.30	180	Systems Administrator, III	\$158.76
181	Systems Architect I	\$143.45	181	Systems Architect I	\$152.53
182	Systems Architect II	\$145.91	182	Systems Architect II	\$155.16
183	Systems Architect III	\$174.58	183	Systems Architect III	\$185.65
184	Systems Engineer I	\$117.34	184	Systems Engineer I	\$124.78
185	Systems Engineer II	\$135.70	185	Systems Engineer II	\$144.31
186	Systems Engineer III	\$165.46	186	Systems Engineer III	\$175.95
187	Technical Expert	\$184.17	187	Technical Expert	\$195.86

188	Technical Writer, I	\$96.73	188	Technical Writer, I	\$102.88
190	Technical Writer, III	\$190.82	190	Technical Writer, III	\$202.93
191	Training Specialist	\$96.33	191	Training Specialist	\$102.44
192	Senior Software Engineer	\$178.75	192	Senior Software Engineer	\$190.09
198	Systems Software Analyst Level I	\$88.32	198	Systems Software Analyst Level I	\$93.91
199	Systems Software Analyst Level II	\$98.59	199	Systems Software Analyst Level II	\$104.86
200	Systems Software Analyst Level III/Multimedia Specialist Level II	\$119.94	200	Systems Software Analyst Level III/Multimedia Specialist Level II	\$127.55
201	Systems Software Analyst Level IV	\$124.59	201	Systems Software Analyst Level IV	\$132.50
202	Systems Software Analyst Level V/ Principal Technical Advisor	\$147.46	202	Systems Software Analyst Level V/ Principal Technical Advisor	\$156.82
210	Help-Desk Administrator	\$73.83	210	Help-Desk Administrator	\$78.52
211	Multimedia Specialist Level I	\$95.52	211	Multimedia Specialist Level I	\$101.58
212	Information Architect	\$162.19	212	Information Architect	\$172.47
213	Program Manager	\$243.74	213	Program Manager	\$259.21
214	Senior Information Architect	\$178.63	214	Senior Information Architect	\$189.97
215	Technical Writer	\$66.99	215	Technical Writer	\$71.26

Year 19 October 20, 2015 to October 21, 2016

GOVERNMENT SITE PRICING			COMPANY SITE PRICING		
	Labor Category	GSA Price		Labor Category	GSA Price
1	Junior Data Entry Operator	\$30.79	1	Junior Data Entry Operator	\$32.76
5	Journeyman Data Entry Operator	\$34.04	5	Journeyman Data Entry Operator	\$36.22

6	Computer Operator I	\$45.14	6	Computer Operator I	\$48.00
7	Computer Operator II	\$52.09	7	Computer Operator II	\$55.40
9	Data Entry Supervisor	\$42.73	9	Data Entry Supervisor	\$45.44
10	Lead Data Entry Operator	\$37.67	10	Lead Data Entry Operator	\$40.07
13	Computer Center Supervisor	\$92.25	13	Computer Center Supervisor	\$98.11
14	Senior Documentation Specialist	\$80.65	14	Senior Documentation Specialist	\$85.76
15	Data Technician	\$37.69	15	Data Technician	\$40.09
20	Technician (Associate)	\$69.32	20	Technician (Associate)	\$73.72
26	Technician	\$78.68	26	Technician	\$83.67
32	Legacy System Analyst	\$145.43	32	Legacy System Analyst	\$154.65
33	Local Area Network Technician	\$56.52	33	Local Area Network Technician	\$60.12
34	Cable Installer	\$56.52	34	Cable Installer	\$60.12
35	Local Area Network Specialist (CNA)	\$69.43	35	Local Area Network Specialist (CNA)	\$73.83
36	Info. Assurance Network Specialist, Intermediate	\$91.85	36	Info. Assurance Network Specialist, Intermediate	\$97.68
37	Web Designer	\$89.21	37	Web Designer	\$94.88
39	Information Assurance Network Specialist, Senior	\$122.46	39	Information Assurance Network Specialist, Senior	\$130.23
42	Voice Communications Manager	\$140.08	42	Voice Communications Manager	\$148.98
43	Computer Systems/Network Integration	\$158.52	43	Computer Systems/Network Integration	\$168.58
47	Subject Matter Expert	\$95.03	47	Subject Matter Expert	\$101.05
48	Communication Engineer	\$112.80	48	Communication Engineer	\$119.96
49	Senior Functional Specialist	\$128.09	49	Senior Functional Specialist	\$136.24
51	Principal Business Process Reengineering Specialist	\$177.40	51	Principal Business Process Reengineering Specialist	\$188.65

52	Principal Engineer/Analyst	\$210.74	52	Principal Engineer/Analyst	\$224.11
53	Project Manager/Subject Matter Expert	\$206.33	53	Project Manager/Subject Matter Expert	\$219.42
54	Information Assurance Development Engineer, Senior	\$237.38	54	Information Assurance Development Engineer, Senior	\$252.46
55	Senior ERP Specialist	\$239.90	55	Senior ERP Specialist	\$255.12
57	Information Center/Help Desk Coordinator	\$56.82	57	Information Center/Help Desk Coordinator	\$60.44
58	Data Communication Manager	\$137.99	58	Data Communication Manager	\$146.75
59	Information Center Specialist	\$148.69	59	Information Center Specialist	\$158.13
60	Information Center Manager	\$189.39	60	Information Center Manager	\$201.42
61	Computer Security Specialist	\$92.57	61	Computer Security Specialist	\$98.47
63	Senior Computer Security Specialist	\$97.47	63	Senior Computer Security Specialist	\$103.65
64	Quality Assurance Manager	\$148.43	64	Quality Assurance Manager	\$157.85
65	Curriculum Developer	\$85.50	65	Curriculum Developer	\$90.92
67	Training Specialist Instructor (Senior)	\$98.83	67	Training Specialist Instructor (Senior)	\$105.10
68	Facility/Site Manager	\$95.55	68	Facility/Site Manager	\$101.63
70	Technical Subject Matter Expert	\$101.00	70	Technical Subject Matter Expert	\$107.40
71	Tech. Subject Matter Expert, Intermediate	\$123.49	71	Tech. Subject Matter Expert, Intermediate	\$131.31
72	Data Operations Specialist	\$82.56	72	Data Operations Specialist	\$87.79
74	Network Engineer, Senior	\$115.01	74	Network Engineer, Senior	\$122.32
76	Test Engineer, Senior	\$112.91	76	Test Engineer, Senior	\$120.08
78	Scientist/Engineer, Senior	\$210.74	78	Scientist/Engineer, Senior	\$224.11
79	Scientist/Engineer, Intermediate	\$142.29	79	Scientist/Engineer, Intermediate	\$151.30
80	Scientist/Engineer, Journeyman	\$121.54	80	Scientist/Engineer, Journeyman	\$129.26

81	Scientist/Engineer, Associate	\$100.64	81	Scientist/Engineer, Associate	\$107.02
82	Consultant	\$163.07	82	Consultant	\$173.41
83	Curriculum Development Manager	\$104.00	83	Curriculum Development Manager	\$110.60
84	Database Specialist, Senior	\$129.85	84	Database Specialist, Senior	\$138.11
86	Database Specialist, Journeyman	\$110.92	86	Database Specialist, Journeyman	\$117.97
87	Database Specialist, Associate	\$95.41	87	Database Specialist, Associate	\$101.46
88	Principal Industry Expert	\$252.57	88	Principal Industry Expert	\$268.61
89	Project Manager, Senior	\$158.10	89	Project Manager, Senior	\$168.13
90	Principal Content Manager	\$286.02	90	Principal Content Manager	\$304.17
91	Principal Information Architect	\$252.57	91	Principal Information Architect	\$268.61
92	Principal Developer	\$158.16	92	Principal Developer	\$168.22
93	Principal Business Architect	\$254.24	93	Principal Business Architect	\$270.37
94	Principal Technical Architect	\$254.24	94	Principal Technical Architect	\$270.37
95	Principal Functional Architect	\$254.24	95	Principal Functional Architect	\$270.37
96	Modeling Simulation Specialist	\$141.96	96	Modeling Simulation Specialist	\$150.96
97	Logistics Specialist	\$119.92	97	Logistics Specialist	\$127.52
98	Threat Specialist	\$280.65	98	Threat Specialist	\$298.44
99	Information Assurance Consulting Engineer, Principal	\$286.02	99	Information Assurance Consulting Engineer, Principal	\$304.17
100	Information Assurance Sys. Specialist, Senior	\$225.51	100	Information Assurance Sys. Specialist, Senior	\$239.85
101	Information Assurance Application Specialist, Senior	\$176.83	101	Information Assurance Application Specialist, Senior	\$188.05
102	Administrative Support Specialist I	\$47.32	102	Administrative Support Specialist I	\$50.32

103	Administrative Support Specialist II	\$52.83	103	Administrative Support Specialist II	\$56.18
104	Administrative Support Specialist III	\$59.38	104	Administrative Support Specialist III	\$63.15
105	Graphics Artist, I	\$100.85	105	Graphics Artist, I	\$107.23
106	Business Analyst I	\$67.06	106	Business Analyst I	\$71.32
108	Cost/Price Analyst I	\$88.19	108	Cost/Price Analyst I	\$93.79
109	Cost/Price Analyst III	\$125.48	109	Cost/Price Analyst III	\$133.45
110	Functional Analyst I	\$98.78	110	Functional Analyst I	\$105.06
111	Functional Analyst III	\$125.99	111	Functional Analyst III	\$133.98
112	Requirements Analyst I	\$99.42	112	Requirements Analyst I	\$105.71
113	Requirements Analyst II	\$104.47	113	Requirements Analyst II	\$111.09
114	Subject Matter Expert I	\$173.90	114	Subject Matter Expert I	\$184.93
115	Subject Matter Expert II	\$252.57	115	Subject Matter Expert II	\$268.61
116	Subject Matter Expert III	\$286.02	116	Subject Matter Expert III	\$304.17
117	Communications Network Manager	\$141.55	117	Communications Network Manager	\$150.55
118	Communications Network Specialist II	\$104.76	118	Communications Network Specialist II	\$111.42
119	Communications Technician I	\$53.39	119	Communications Technician I	\$56.77
120	Communications Technician II	\$72.49	120	Communications Technician II	\$77.10
121	Communications Technician III	\$80.93	121	Communications Technician III	\$86.07
122	Network Administrator I	\$75.13	122	Network Administrator I	\$79.88
123	Network Administrator II	\$112.25	123	Network Administrator II	\$119.37
124	Network Administrator III	\$118.03	124	Network Administrator III	\$125.52
125	Network Analyst I	\$95.95	125	Network Analyst I	\$102.03

126	Network Analyst II	\$115.01	126	Network Analyst II	\$122.32
127	Network Analyst III	\$128.22	127	Network Analyst III	\$136.37
128	Network Engineer I	\$96.09	128	Network Engineer I	\$102.18
129	Network Engineer II	\$116.25	129	Network Engineer II	\$123.62
130	Network Engineer III	\$137.37	130	Network Engineer III	\$146.10
131	Network Programmer I	\$100.64	131	Network Programmer I	\$107.02
132	Network Programmer IV	\$122.66	132	Network Programmer IV	\$130.46
133	Security Analyst I	\$96.82	133	Security Analyst I	\$102.95
134	Security Analyst II	\$124.49	134	Security Analyst II	\$132.39
136	Systems Security Specialist, I	\$124.49	136	Systems Security Specialist, I	\$132.39
137	Systems Security Specialist, II	\$163.55	137	Systems Security Specialist, II	\$173.94
138	Systems Security Specialist, III	\$179.92	138	Systems Security Specialist, III	\$191.35
139	Acquisition Support Specialist I	\$73.25	139	Acquisition Support Specialist I	\$77.89
140	Acquisition Support Specialist II	\$82.86	140	Acquisition Support Specialist II	\$88.11
141	Acquisition Support Specialist III	\$106.97	141	Acquisition Support Specialist III	\$113.75
143	Expert Consultant	\$162.34	143	Expert Consultant	\$172.63
144	Program Manager, I	\$140.61	144	Program Manager, I	\$149.52
145	Program Manager, II	\$170.68	145	Program Manager, II	\$181.50
146	Program Manager, III	\$198.72	146	Program Manager, III	\$211.32
147	Project Manager I	\$128.99	147	Project Manager I	\$137.18
148	Project Manager II	\$165.57	148	Project Manager II	\$176.08
149	Project Manager III	\$178.59	149	Project Manager III	\$189.93

150	Systems Analyst I	\$110.69	150	Systems Analyst I	\$117.70
151	Systems Analyst II	\$137.67	151	Systems Analyst II	\$146.42
152	Systems Analyst III	\$156.69	152	Systems Analyst III	\$166.64
153	Applications Specialist, I	\$129.56	153	Applications Specialist, I	\$137.79
154	Applications Specialist, II	\$144.89	154	Applications Specialist, II	\$154.08
155	Applications Specialist, III	\$191.06	155	Applications Specialist, III	\$203.20
156	Configuration Management Specialist, I	\$128.45	156	Configuration Management Specialist, I	\$136.60
157	Configuration Management Specialist, II	\$153.59	157	Configuration Management Specialist, II	\$163.35
158	Configuration Management Specialist, III	\$186.08	158	Configuration Management Specialist, III	\$197.89
159	Database Administrator I	\$110.38	159	Database Administrator I	\$117.38
160	Database Administrator III	\$148.24	160	Database Administrator III	\$157.64
161	Information Engineer I	\$139.23	161	Information Engineer I	\$148.06
162	Information Engineer II	\$140.37	162	Information Engineer II	\$149.28
163	Information Engineer III	\$188.55	163	Information Engineer III	\$200.51
164	Programmer I	\$100.64	164	Programmer I	\$107.02
165	Programmer III	\$123.97	165	Programmer III	\$131.82
166	Programmer IV	\$142.29	166	Programmer IV	\$151.30
167	Programmer, II	\$117.33	167	Programmer, II	\$124.77
168	Software Engineer I	\$121.54	168	Software Engineer I	\$129.26
169	Software Engineer II	\$137.75	169	Software Engineer II	\$146.49
170	Software Engineer III	\$147.96	170	Software Engineer III	\$157.35
171	Software Network Engineer - Senior	\$180.51	171	Software Network Engineer -Senior	\$191.98

172	Web Specialist, I	\$116.26	172	Web Specialist, I	\$123.64
173	Web Specialist, II	\$135.07	173	Web Specialist, II	\$143.66
174	Web Specialist, III	\$138.13	174	Web Specialist, III	\$146.89
175	QA Specialist, I	\$110.76	175	QA Specialist, I	\$117.78
176	QA Specialist, II	\$164.25	176	QA Specialist, II	\$174.68
177	QA Specialist, III	\$225.17	177	QA Specialist, III	\$239.47
178	Systems Administrator, I	\$112.20	178	Systems Administrator, I	\$119.32
179	Systems Administrator, II	\$119.25	179	Systems Administrator, II	\$126.81
180	Systems Administrator, III	\$153.18	180	Systems Administrator, III	\$162.89
181	Systems Architect I	\$147.18	181	Systems Architect I	\$156.50
182	Systems Architect II	\$149.71	182	Systems Architect II	\$159.20
183	Systems Architect III	\$179.11	183	Systems Architect III	\$190.48
184	Systems Engineer I	\$120.39	184	Systems Engineer I	\$128.03
185	Systems Engineer II	\$139.23	185	Systems Engineer II	\$148.06
186	Systems Engineer III	\$169.76	186	Systems Engineer III	\$180.53
187	Technical Expert	\$188.95	187	Technical Expert	\$200.95
188	Technical Writer, I	\$99.25	188	Technical Writer, I	\$105.55
190	Technical Writer, III	\$195.78	190	Technical Writer, III	\$208.21
191	Training Specialist	\$98.83	191	Training Specialist	\$105.10
192	Senior Software Engineer	\$183.40	192	Senior Software Engineer	\$195.03
198	Systems Software Analyst Level I	\$90.62	198	Systems Software Analyst Level I	\$96.35
199	Systems Software Analyst Level II	\$101.16	199	Systems Software Analyst Level II	\$107.58

200	Systems Software Analyst Level III/Multimedia Specialist Level II	\$123.06	200	Systems Software Analyst Level III/Multimedia Specialist Level II	\$130.87
201	Systems Software Analyst Level IV	\$127.83	201	Systems Software Analyst Level IV	\$135.95
202	Systems Software Analyst Level V/ Principal Technical Advisor	\$151.29	202	Systems Software Analyst Level V/ Principal Technical Advisor	\$160.89
210	Help-Desk Administrator	\$75.75	210	Help-Desk Administrator	\$80.56
211	Multimedia Specialist Level I	\$98.00	211	Multimedia Specialist Level I	\$104.22
212	Information Architect	\$166.40	212	Information Architect	\$176.95
213	Program Manager	\$250.07	213	Program Manager	\$265.95
214	Senior Information Architect	\$183.27	214	Senior Information Architect	\$194.91
215	Technical Writer	\$68.73	215	Technical Writer	\$73.11

Year 20 October 20, 2016 to October 21, 2017

GOVERNMENT SITE PRICING			COMPANY SITE PRICING		
	Labor Category	GSA Price		Labor Category	GSA Price
1	Junior Data Entry Operator	\$31.59	1	Junior Data Entry Operator	\$33.61
5	Journeyman Data Entry Operator	\$34.93	5	Journeyman Data Entry Operator	\$37.17
6	Computer Operator I	\$46.31	6	Computer Operator I	\$49.25
7	Computer Operator II	\$53.44	7	Computer Operator II	\$56.84
9	Data Entry Supervisor	\$43.84	9	Data Entry Supervisor	\$46.62
10	Lead Data Entry Operator	\$38.65	10	Lead Data Entry Operator	\$41.11
13	Computer Center Supervisor	\$94.65	13	Computer Center Supervisor	\$100.66
14	Senior Documentation Specialist	\$82.74	14	Senior Documentation Specialist	\$87.99

15	Data Technician	\$38.67	15	Data Technician	\$41.13
20	Technician (Associate)	\$71.12	20	Technician (Associate)	\$75.64
26	Technician	\$80.73	26	Technician	\$85.85
32	Legacy System Analyst	\$149.21	32	Legacy System Analyst	\$158.67
33	Local Area Network Technician	\$57.99	33	Local Area Network Technician	\$61.68
34	Cable Installer	\$57.99	34	Cable Installer	\$61.68
35	Local Area Network Specialist (CNA)	\$71.23	35	Local Area Network Specialist (CNA)	\$75.75
36	Info. Assurance Network Specialist, Intermediate	\$94.24	36	Info. Assurance Network Specialist, Intermediate	\$100.22
37	Web Designer	\$91.53	37	Web Designer	\$97.35
39	Information Assurance Network Specialist, Senior	\$125.64	39	Information Assurance Network Specialist, Senior	\$133.62
42	Voice Communications Manager	\$143.72	42	Voice Communications Manager	\$152.86
43	Computer Systems/Network Integration	\$162.64	43	Computer Systems/Network Integration	\$172.97
47	Subject Matter Expert	\$97.50	47	Subject Matter Expert	\$103.68
48	Communication Engineer	\$115.73	48	Communication Engineer	\$123.08
49	Senior Functional Specialist	\$131.42	49	Senior Functional Specialist	\$139.78
51	Principal Business Process Reengineering Specialist	\$182.01	51	Principal Business Process Reengineering Specialist	\$193.56
52	Principal Engineer/Analyst	\$216.22	52	Principal Engineer/Analyst	\$229.94
53	Project Manager/Subject Matter Expert	\$211.70	53	Project Manager/Subject Matter Expert	\$225.13
54	Information Assurance Development Engineer, Senior	\$243.56	54	Information Assurance Development Engineer, Senior	\$259.02
55	Senior ERP Specialist	\$246.14	55	Senior ERP Specialist	\$261.75
57	Information Center/Help Desk Coordinator	\$58.30	57	Information Center/Help Desk Coordinator	\$62.01

58	Data Communication Manager	\$141.57	58	Data Communication Manager	\$150.56
59	Information Center Specialist	\$152.56	59	Information Center Specialist	\$162.24
60	Information Center Manager	\$194.31	60	Information Center Manager	\$206.65
61	Computer Security Specialist	\$94.98	61	Computer Security Specialist	\$101.03
63	Senior Computer Security Specialist	\$100.01	63	Senior Computer Security Specialist	\$106.35
64	Quality Assurance Manager	\$152.29	64	Quality Assurance Manager	\$161.95
65	Curriculum Developer	\$87.72	65	Curriculum Developer	\$93.28
67	Training Specialist Instructor (Senior)	\$101.40	67	Training Specialist Instructor (Senior)	\$107.83
68	Facility/Site Manager	\$98.04	68	Facility/Site Manager	\$104.27
70	Technical Subject Matter Expert	\$103.62	70	Technical Subject Matter Expert	\$110.19
71	Tech. Subject Matter Expert, Intermediate	\$126.70	71	Tech. Subject Matter Expert, Intermediate	\$134.73
72	Data Operations Specialist	\$84.71	72	Data Operations Specialist	\$90.07
74	Network Engineer, Senior	\$118.00	74	Network Engineer, Senior	\$125.50
76	Test Engineer, Senior	\$115.84	76	Test Engineer, Senior	\$123.20
78	Scientist/Engineer, Senior	\$216.22	78	Scientist/Engineer, Senior	\$229.94
79	Scientist/Engineer, Intermediate	\$145.98	79	Scientist/Engineer, Intermediate	\$155.24
80	Scientist/Engineer, Journeyman	\$124.70	80	Scientist/Engineer, Journeyman	\$132.62
81	Scientist/Engineer, Associate	\$103.26	81	Scientist/Engineer, Associate	\$109.80
82	Consultant	\$167.30	82	Consultant	\$177.92
83	Curriculum Development Manager	\$106.70	83	Curriculum Development Manager	\$113.47
84	Database Specialist, Senior	\$133.23	84	Database Specialist, Senior	\$141.70
86	Database Specialist, Journeyman	\$113.80	86	Database Specialist, Journeyman	\$121.04

87	Database Specialist, Associate	\$97.89	87	Database Specialist, Associate	\$104.10
88	Principal Industry Expert	\$259.14	88	Principal Industry Expert	\$275.59
89	Project Manager, Senior	\$162.21	89	Project Manager, Senior	\$172.50
90	Principal Content Manager	\$293.45	90	Principal Content Manager	\$312.08
91	Principal Information Architect	\$259.14	91	Principal Information Architect	\$275.59
92	Principal Developer	\$162.27	92	Principal Developer	\$172.59
93	Principal Business Architect	\$260.85	93	Principal Business Architect	\$277.40
94	Principal Technical Architect	\$260.85	94	Principal Technical Architect	\$277.40
95	Principal Functional Architect	\$260.85	95	Principal Functional Architect	\$277.40
96	Modeling Simulation Specialist	\$145.65	96	Modeling Simulation Specialist	\$154.88
97	Logistics Specialist	\$123.04	97	Logistics Specialist	\$130.84
98	Threat Specialist	\$287.95	98	Threat Specialist	\$306.20
99	Information Assurance Consulting Engineer, Principal	\$293.45	99	Information Assurance Consulting Engineer, Principal	\$312.08
100	Information Assurance Sys. Specialist, Senior	\$231.38	100	Information Assurance Sys. Specialist, Senior	\$246.08
101	Information Assurance Application Specialist, Senior	\$181.42	101	Information Assurance Application Specialist, Senior	\$192.94
102	Administrative Support Specialist I	\$48.55	102	Administrative Support Specialist I	\$51.63
103	Administrative Support Specialist II	\$54.20	103	Administrative Support Specialist II	\$57.64
104	Administrative Support Specialist III	\$60.92	104	Administrative Support Specialist III	\$64.79
105	Graphics Artist, I	\$103.48	105	Graphics Artist, I	\$110.01
106	Business Analyst I	\$68.80	106	Business Analyst I	\$73.17
108	Cost/Price Analyst I	\$90.48	108	Cost/Price Analyst I	\$96.23

109	Cost/Price Analyst III	\$128.74	109	Cost/Price Analyst III	\$136.92
110	Functional Analyst I	\$101.35	110	Functional Analyst I	\$107.79
111	Functional Analyst III	\$129.26	111	Functional Analyst III	\$137.46
112	Requirements Analyst I	\$102.00	112	Requirements Analyst I	\$108.46
113	Requirements Analyst II	\$107.19	113	Requirements Analyst II	\$113.98
114	Subject Matter Expert I	\$178.42	114	Subject Matter Expert I	\$189.73
115	Subject Matter Expert II	\$259.14	115	Subject Matter Expert II	\$275.59
116	Subject Matter Expert III	\$293.45	116	Subject Matter Expert III	\$312.08
117	Communications Network Manager	\$145.23	117	Communications Network Manager	\$154.46
118	Communications Network Specialist II	\$107.49	118	Communications Network Specialist II	\$114.31
119	Communications Technician I	\$54.77	119	Communications Technician I	\$58.24
120	Communications Technician II	\$74.38	120	Communications Technician II	\$79.11
121	Communications Technician III	\$83.03	121	Communications Technician III	\$88.31
122	Network Administrator I	\$77.08	122	Network Administrator I	\$81.96
123	Network Administrator II	\$115.17	123	Network Administrator II	\$122.47
124	Network Administrator III	\$121.10	124	Network Administrator III	\$128.79
125	Network Analyst I	\$98.45	125	Network Analyst I	\$104.68
126	Network Analyst II	\$118.00	126	Network Analyst II	\$125.50
127	Network Analyst III	\$131.56	127	Network Analyst III	\$139.91
128	Network Engineer I	\$98.59	128	Network Engineer I	\$104.84
129	Network Engineer II	\$119.27	129	Network Engineer II	\$126.84
130	Network Engineer III	\$140.94	130	Network Engineer III	\$149.90

131	Network Programmer I	\$103.26	131	Network Programmer I	\$109.80
132	Network Programmer IV	\$125.85	132	Network Programmer IV	\$133.85
133	Security Analyst I	\$99.33	133	Security Analyst I	\$105.63
134	Security Analyst II	\$127.72	134	Security Analyst II	\$135.83
136	Systems Security Specialist, I	\$127.72	136	Systems Security Specialist, I	\$135.83
137	Systems Security Specialist, II	\$167.80	137	Systems Security Specialist, II	\$178.46
138	Systems Security Specialist, III	\$184.60	138	Systems Security Specialist, III	\$196.33
139	Acquisition Support Specialist I	\$75.15	139	Acquisition Support Specialist I	\$79.92
140	Acquisition Support Specialist II	\$85.02	140	Acquisition Support Specialist II	\$90.40
141	Acquisition Support Specialist III	\$109.75	141	Acquisition Support Specialist III	\$116.71
143	Expert Consultant	\$166.56	143	Expert Consultant	\$177.12
144	Program Manager, I	\$144.27	144	Program Manager, I	\$153.41
145	Program Manager, II	\$175.12	145	Program Manager, II	\$186.22
146	Program Manager, III	\$203.88	146	Program Manager, III	\$216.82
147	Project Manager I	\$132.34	147	Project Manager I	\$140.74
148	Project Manager II	\$169.88	148	Project Manager II	\$180.66
149	Project Manager III	\$183.23	149	Project Manager III	\$194.86
150	Systems Analyst I	\$113.57	150	Systems Analyst I	\$120.76
151	Systems Analyst II	\$141.25	151	Systems Analyst II	\$150.23
152	Systems Analyst III	\$160.77	152	Systems Analyst III	\$170.97
153	Applications Specialist, I	\$132.93	153	Applications Specialist, I	\$141.37
154	Applications Specialist, II	\$148.66	154	Applications Specialist, II	\$158.09

155	Applications Specialist, III	\$196.03	155	Applications Specialist, III	\$208.48
156	Configuration Management Specialist, I	\$131.79	156	Configuration Management Specialist, I	\$140.16
157	Configuration Management Specialist, II	\$157.59	157	Configuration Management Specialist, II	\$167.59
158	Configuration Management Specialist, III	\$190.92	158	Configuration Management Specialist, III	\$203.03
159	Database Administrator I	\$113.25	159	Database Administrator I	\$120.43
160	Database Administrator III	\$152.09	160	Database Administrator III	\$161.74
161	Information Engineer I	\$142.85	161	Information Engineer I	\$151.91
162	Information Engineer II	\$144.02	162	Information Engineer II	\$153.17
163	Information Engineer III	\$193.46	163	Information Engineer III	\$205.72
164	Programmer I	\$103.26	164	Programmer I	\$109.80
165	Programmer III	\$127.19	165	Programmer III	\$135.25
166	Programmer IV	\$145.98	166	Programmer IV	\$155.24
167	Programmer, II	\$120.38	167	Programmer, II	\$128.01
168	Software Engineer I	\$124.70	168	Software Engineer I	\$132.62
169	Software Engineer II	\$141.33	169	Software Engineer II	\$150.30
170	Software Engineer III	\$151.80	170	Software Engineer III	\$161.44
171	Software Network Engineer -Senior	\$185.20	171	Software Network Engineer -Senior	\$196.97
172	Web Specialist, I	\$119.28	172	Web Specialist, I	\$126.86
173	Web Specialist, II	\$138.58	173	Web Specialist, II	\$147.39
174	Web Specialist, III	\$141.72	174	Web Specialist, III	\$150.71
175	QA Specialist, I	\$113.64	175	QA Specialist, I	\$120.84
176	QA Specialist, II	\$168.52	176	QA Specialist, II	\$179.22

177	QA Specialist, III	\$231.02	177	QA Specialist, III	\$245.69
178	Systems Administrator, I	\$115.11	178	Systems Administrator, I	\$122.43
179	Systems Administrator, II	\$122.35	179	Systems Administrator, II	\$130.11
180	Systems Administrator, III	\$157.17	180	Systems Administrator, III	\$167.13
181	Systems Architect I	\$151.00	181	Systems Architect I	\$160.57
182	Systems Architect II	\$153.60	182	Systems Architect II	\$163.34
183	Systems Architect III	\$183.77	183	Systems Architect III	\$195.43
184	Systems Engineer I	\$123.52	184	Systems Engineer I	\$131.36
185	Systems Engineer II	\$142.85	185	Systems Engineer II	\$151.91
186	Systems Engineer III	\$174.18	186	Systems Engineer III	\$185.22
187	Technical Expert	\$193.87	187	Technical Expert	\$206.18
188	Technical Writer, I	\$101.83	188	Technical Writer, I	\$108.30
190	Technical Writer, III	\$200.87	190	Technical Writer, III	\$213.62
191	Training Specialist	\$101.40	191	Training Specialist	\$107.83
192	Senior Software Engineer	\$188.17	192	Senior Software Engineer	\$200.11
198	Systems Software Analyst Level I	\$92.97	198	Systems Software Analyst Level I	\$98.86
199	Systems Software Analyst Level II	\$103.79	199	Systems Software Analyst Level II	\$110.38
200	Systems Software Analyst Level III/Multimedia Specialist Level II	\$126.26	200	Systems Software Analyst Level III/Multimedia Specialist Level II	\$134.27
201	Systems Software Analyst Level IV	\$131.16	201	Systems Software Analyst Level IV	\$139.48
202	Systems Software Analyst Level V/ Principal Technical Advisor	\$155.23	202	Systems Software Analyst Level V/ Principal Technical Advisor	\$165.08
210	Help-Desk Administrator	\$77.72	210	Help-Desk Administrator	\$82.66

211	Multimedia Specialist Level I	\$100.55	211	Multimedia Specialist Level I	\$106.93
212	Information Architect	\$170.73	212	Information Architect	\$181.56
213	Program Manager	\$256.58	213	Program Manager	\$272.87
214	Senior Information Architect	\$188.04	214	Senior Information Architect	\$199.97
215	Technical Writer	\$70.52	215	Technical Writer	\$75.01

Open Source Projects (SIN 132-51)

With the explosive growth of Information Technology, the Internet, web sites, and social media, finding answers in open source information has become critical to business operations. QinetiQ North America has over 10 years of experience collecting and analyzing publically available information to help our clients find the answers to their questions. Open source projects help clients make effective decisions based on improved awareness.

Our typical open source projects include:

- Formal project tasking
 - Review of the project goals, scope, requirements, deliverables, and schedule
- Open source collection configuration and set-up
- Open source collection
- Analytical assessment of open source relevant information
 - Post-collection processing of results to address goals and project requirements
- Preparation of project deliverables
- Project closeout

These steps are common to each open source project we perform although details of the specific project may vary.

<u>Item</u>	<u>Description</u>	<u>GSA Price</u>
1	Open Source Collection, Review, Analysis and Delivery (Per Month Charge)	\$23,929

Note [1] Open Source Project must be purchased for 3 months (minimum) and can be extended on a per month basis or contracted on a yearly or multi-year basis.

Cyber Threat Intelligence (Data Feed) Pricing (SIN 132-52)

This pricing applies for enterprise (i.e. non-OEM) use only, and applies to all four STANDARD feeds currently offered.

Pricing is per feed per month

Prices do not include rights to produce derivative products, or to publish or redistribute material outside the purchasing agency/department or enterprise.

Products Included:

1. Phishing URL Data Feed
2. Malicious URL Data Feed
3. Malware/Payload Data Feed (includes binaries and analysis)
4. IP Threat Intelligence

Pricing:

Use Case/Application	Monthly Subscription	Minimum Term
Research or Internal Study Only - Up to 50 users	\$5289 Per Feed	3 Months
Operational Deployment within the agency or enterprise - Up to 10,000 users protected	\$6559 Per Feed	12 Months
Operational Deployment within the agency or enterprise - 10,001-100,000 users protected	\$10,579 Per Feed	12 Months

**SIN 132-32 GS-35F-4674H
Broadsoft Unit Pricing**

UNITS	SKU	UNIT PRICE	
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NUMBER OF USERS/TRUNKS	BROADWORKS OPERATING SYSTEM
5,000	INCLUDED

NUMBER OF USERS/TRUNKS	NETWORK SERVICES
5,000	INCLUDED

NUMBER OF USERS/TRUNKS	BROADWORKS WEB/XSP SERVER(1)
5,000	INCLUDED

INSTANCE	LAWFUL INTERCEPT UNIT PRICE		
1	80-AA6251	\$13,141.30	

REAL-TIME Billing Interface			
INSTANCE	REAL-TIME CDRs (1) (RADIUS, "Rf" and "Ro" INTERFACE)		
1	80-BL8640	\$6,570.65	

ELEMENT MANAGEMENT SERVER (1)			
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INSTANCES	ELEMENT MANAGEMENT SERVER (REDUNDANT)		
1	80-BL6352	\$24,639.95	

WebRTC GATEWAY			
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SYSTEM	BROADWORKS WebRTC GATEWAY		
1	80-BL6801	\$41,066.58	

PORTS	BROADWORKS WebRTC GATEWAY - TRANSCODING PACKAGE		
100	80-BL6811	\$2,628.26	

<i>UNITS</i>	<i>SKU</i>	<i>UNIT PRICE</i>	
MEDIA SERVER LICENSING (1)			

<i>PORTS</i>	<i>G.729 MEDIA SERVER PORTS</i>		
100	80-BL8101	\$17.52	

<i>PORTS</i>	<i>GSM AMR MEDIA SERVER PORTS</i>		
100	80-BL8102	\$17.52	

<i>PORTS</i>	<i>GSM AMR WIDE BAND MEDIA SERVER PORTS</i>		
100	80-BL8104	\$17.52	

<i>PORTS</i>	<i>VOICE XML MEDIA SERVER LICENSE</i>		
100	80-BL3030	\$17.52	

<i>PORTS</i>	<i>CCXML MEDIA SERVER LICENSE</i>		
100	80-BL3040	\$17.52	

<i>PORTS</i>	<i>MRCpv2 MEDIA SERVER LICENSE</i>		
100	80-BL3050	\$17.52	

<i>PORTS</i>	<i>H.263 MEDIA SERVER PORTS</i>		
100	80-BL3060	\$17.52	

<i>PORTS</i>	<i>H.264 MEDIA SERVER PORTS</i>		
100	80-BL3070	\$17.52	

<i>PORTS</i>	<i>MP3 ENCODING</i>		
100	80-BL6121	\$18.07	

ROUTE POINT			
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<i>SYSTEM</i>	<i>ROUTE POINT</i>		
1	80-BL3970	\$8,213.32	

(1) - Indicates available on BOTH AS and XS-based systems

BUSINESS SERVICE OFFERINGS PRICE SCHEDULE
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UNITS	SKU	UNIT PRICE	
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NUMBER OF USERS	BASE ENTERPRISE SYSTEM (MOQ 250; Add-on Quantity 25)		
250 - 499	70-AA2025	\$231.29	
500 - 999	70-AA2050	\$181.50	
1000 - 1499	70-AA2100	\$114.86	
1500 - 2499	70-AA2150	\$94.24	
2500 - 4999	70-AA2250	\$74.58	
5000 +	70-AA2500	\$59.31	
250 - 499	70-AA2025-M	\$35.91	
500 - 999	70-AA2050-M	\$28.17	
1000 - 1499	70-AA2100-M	\$17.84	
1500 - 2499	70-AA2150-M	\$14.63	
2500 - 4999	70-AA2250-M	\$11.58	
5000 +	70-AA2500-M	\$9.21	

NUMBER OF USERS	UPGRADE - BASE BUSINESS LINE TO BASE ENTERPRISE LINE (MOQ 250; Add-on Quantity 25)		
250 - 499	70-AA2025	\$137.98	
500 - 999	70-AA2050	\$104.52	
1000 - 1499	70-AA2100	\$56.00	
1500 - 2499	70-AA2150	\$43.35	
2500 - 4999	70-AA2250	\$29.74	
5000 +	70-AA2500	\$23.74	

NUMBER OF USERS	BASE BUSINESS LINE SYSTEM (MOQ 250; Add-on Quantity 25)		
250-499	70-AA5825	\$71.31	
500-999	70-AA5850	\$60.32	
1000-1499	70-AA5900	\$49.94	
1500-2499	70-AA5950	\$44.10	
2500-4999	70-AA6050	\$40.11	
5000+	70-AA6100	\$31.80	

TRUNKS (SIMULTANEOUS USERS)	BUSINESS TRUNKING PACKAGE (MOQ 250; Add-on Quantity 25)		
25-499	50-AA5330	\$45.99	
500-999	50-AA5340	\$44.68	

BUSINESS SERVICE OFFERINGS PRICE SCHEDULE			
1000-1500	50-AA5350	\$42.71	
25-499	50-AA5330-M	\$5.29	
500-999	50-AA5340-M	\$5.14	
1000-1500	50-AA5350-M	\$4.99	

UNITS	SKU	UNIT PRICE	
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BUSINESS SERVICE ADD-ON PACKAGES

INSTANCES	AUTO ATTENDANT -STANDARD		
<i>INCLUDED IN BASE ENTERPRISE SYSTEM</i>			

INSTANCES	RECEPTIONIST - ENTERPRISE PC CLIENT		
EACH	80-DT4108	\$985.60	

BROADWORKS MOBILITY

NUMBER OF USERS	BROADWORKS MOBILITY (MOQ)		
EACH	80-AA2000	\$4.09	

DESKTOP PRODUCTIVITY SOLUTIONS

ASSISTANT ENTERPRISE PC CLIENT			
<i>INCLUDED IN BASE ENTERPRISE SYSTEM</i>			

PERSONAL MOBILITY (BW Anywhere)

<i>INCLUDED IN BASE ENTERPRISE SYSTEM</i>			
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BUSINESS SERVICE OFFERINGS PRICE SCHEDULE
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<i>UNITS</i>	<i>SKU</i>	<i>UNIT PRICE</i>	
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UNIFIED MESSAGING SOLUTIONS

<i>NUMBER OF USERS</i>	<i>MULTIMEDIA UNIFIED MESSAGING (VOICE AND VIDEO)</i>		
250-499	55-AA2025	\$14.46	
500-999	55-AA2050	\$10.39	
1000-1499	55-AA2100	\$9.94	
1500-2499	55-AA2150	\$9.03	
2500-4999	55-AA2250	\$8.13	
5000+	55-AA2500	\$6.48	
500-999	55-AA2050-M	\$1.46	
1000-1499	55-AA2100-M	\$1.41	
1500-2499	55-AA2150-M	\$1.31	
2500-4999	55-AA2250-M	\$1.16	
5000+	55-AA2500-M	\$.96	

<i>NUMBER OF USERS</i>	<i>VOICE MESSAGING PLATFORM (INCLUDES PLATFORM LICENSING) (MOQ 500)</i>		
500	55-AA7050	\$20.53	
501-2499	55-AA7100	\$17.24	
2500-4999	55-AA7125	\$13.96	
5000-9999	55-AA7250	\$11.83	
10000+	55-AA7300	\$10.19	

<i>SYSTEM INSTANCE</i>	<i>FAX MAILBOX (OVERLAY TO UNIFIED MESSAGING)</i>		
1	80-BL6632	\$6570.65	
Each	80-BL6632-M	\$982.31	

BUSINESS SERVICE OFFERINGS PRICE SCHEDULE
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<i>UNITS</i>	<i>SKU</i>	<i>UNIT PRICE</i>	
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CALL CENTER SOLUTIONS

<i>NUMBER OF USERS</i>	<i>CALL CENTER BASIC</i>		
<i>INCLUDED IN BASE ENTERPRISE SYSTEM</i>			

<i>NUMBER OF USERS</i>	<i>CALL CENTER STANDARD (MOQ 25)</i>		
<i>EACH</i>	<i>60-CC7800</i>	<i>\$98.56</i>	
<i>EACH</i>	<i>60-CC7800-M</i>	<i>\$13.96</i>	

<i>NUMBER OF USERS</i>	<i>CALL CENTER PREMIUM (MOQ 25)</i>		
<i>EACH</i>	<i>60-CC7900</i>	<i>\$265.91</i>	
<i>EACH</i>	<i>60-CC7900-M</i>	<i>\$39.18</i>	

<i>NUMBER OF USERS</i>	<i>CALL CENTER AGENT CLIENT (MOQ 25)</i>		
<i>EACH</i>	<i>80-CC5800</i>	<i>\$268.79</i>	
<i>EACH</i>	<i>80-CC5800-M</i>	<i>\$39.68</i>	

<i>NUMBER OF USERS</i>	<i>CALL CENTER SUPERVISOR CLIENT (MOQ 5)</i>		
<i>EACH</i>	<i>80-CC6800</i>	<i>\$540.81</i>	
<i>EACH</i>	<i>80-CC6800-M</i>	<i>\$81.86</i>	

ADDITIONAL ENHANCED FEATURES

<i>GROUPS</i>	<i>ENHANCED GROUP SERVICES PACKAGE</i>		
<i>INCLUDED IN BASE ENTERPRISE SYSTEM</i>			<i>AND</i>
<i>BASE BUSINESS LINE SYSTEM</i>			

BUSINESS SERVICE OFFERINGS PRICE SCHEDULE
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<i>UNITS</i>	<i>SKU</i>	<i>UNIT PRICE</i>	
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BROADWORKS MICROSOFT INTERWORKING OPTIONS (UC-CONNECT SERVER)
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<i>NUMBER OF USERS</i>	<i>UC-CONNECT FOR MICROSOFT</i>		
EACH	80-AC3201	\$3.94	
EACH	80-AC3201-M	.58	

NOTE - UC Connect for Microsoft (MS-OCS Solution) includes Office Communicator Tab

BROADWORKS IBM INTERWORKING OPTIONS			
<i>NUMBERS OF USERS</i>	<i>CONNECTOR FOR LOTUS SAMETIME</i>		
EACH	80-AA4201	\$3.94	
EACH	80-AA4201-M	.58	

CALL RECORDING			
<i>NUMBER OF USERS</i>	<i>BROADWORKS CALL RECORDING LICENSE (MOQ 50)</i>		
EACH	60-FP5723	\$27.85	

ENHANCED CALL LOGS			
<i>NUMBER OF USERS</i>	<i>ENHANCED CALL LOGS (1) (INCLUDES DBS LICENSE) (MOQ 100)</i>		
EACH	65-FP7712	\$64.77	

MEET-ME AUDIO CONFERENCING			
<i>PORTS</i>	<i>MEET-ME AUDIO CONFERENCING (MOQ 50; ADD-ON INCREMENTS OF 50)</i>		
50	80-BL4503	\$372.42	

ACCESS MEDIATION SERVER			
<i>NUMBER OF DEVICES</i>	<i>ACCESS MEDIATION SERVER (AMS) (Minimum Purchase 100 Devices)</i>		
80-AA6711	80-BL6701	\$8.42	

BROADWORKS UC ONE Bundles

BroadWorks UC Seat BundleSKU		BroadWorks UC Seat Bundle Mapping						
SKU	VOLUME	Meet-Me Audio Conferencing	Base Enterprise System	Multi-Media Unified Messaging	Fax Mailbox	BTBC Voice and Video PC	BTBC Voice and Video Mobile	BTBC Voice and Video Tablet
70-AA7001	500	80-BL4503	70-AA2050	55-AA2050	80-BL6632	80-DT5221	80-DT5321	80-DT5421
70-AA7002	1000	80-BL4503	70-AA2100	55-AA2100	80-BL6632	80-DT5222	80-DT5322	80-DT5422
70-AA7005	5000	80-BL4503	70-AA2500	55-AA2500	80-BL6632	80-DT5222	80-DT5322	80-DT5422

BroadWorks UC Add On Bundle		BroadWorks UC Add On Bundle Mapping					
SKU	VOLUME	Meet-Me Audio Conferencing	Multi-Media Unified	Fax Mailbox	BTBC Voice and Video PC	BTBC Voice and Video Mobile	BTBC Voice and Video Tablet
55-UC7011	500	80-BL4503	55-AA2050	80-BL6632	80-DT5221	80-DT5321	80-DT5421
55-UC7012	1000	80-BL4503	55-AA2100	80-BL6632	80-DT5222	80-DT5322	80-DT5422
55-UC7015	5000	80-BL4503	55-AA2500	80-BL6632	80-DT5222	80-DT5322	80-DT5422

BroadCloud UC Services Bundle		Services
26-UC4000	Per Seat (MRC)	BroadCloud IM&P
		UC-DesktopShare

BroadWorks Collaborate Messaging and Sharing		Services Mapping
55-UC2001	500	Messaging and Sharing
55-UC2002	1000	
55-UC2003	5000	

<i>UNITS</i>	<i>SKU</i>	<i>UNIT PRICE</i>	
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USER BUNDLE

<i>NUMBER OF USERS</i>	<i>BroadWorks UC Seat Bundle (MOQ 250; Add-on Quantity25)</i>		
250-999	70-AA7001	\$285.80	
1000-1499	70-AA7002	\$180.86	
1500-2499	70-AA7003	\$149.39	
2500-4999	70-AA7004	\$117.46	
5000-9999	70-AA7005	\$93.41	
250-999	70-AA7001-M	\$40.01	
1000-1499	70-AA7002-M	\$25.32	
1500-2499	70-AA7003-M	\$20.77	
2500-4999	70-AA7004-M	\$16.45	
5000-9999	70-AA7005-M	\$13.08	

ADD ON BUNDLE for existing Users

<i>NUMBER OF USERS</i>	<i>BroadWorks UC Add On Bundle (MOQ 250; Add-on Quantity25)</i>		
250-999	55-UC7011	\$55.12	
1000-1499	55-UC7012	\$49.57	
1500-2499	55-UC7013	\$46.55	
2500-4999	55-UC7014	\$43.13	
5000-9999	55-UC7015	\$40.16	
250-999	55-UC7011-M	\$5.51	
1000-1499	55-UC7012-M	\$5.31	
1500-2499	55-UC7013-M	\$4.99	
2500-4999	55-UC7014-M	\$4.62	
5000-9999	55-UC7015-M	\$4.02	

UNITS	SKU	UNIT PRICE	
BROADWORKS COLLABORATE			

NUMBER OF USERS	BROADWORKS COLLABORATE MESSAGING AND SHARING (MOQ 250; Add-on Quantity 25)		
250-999	55-UC2001	\$45.34	
1000-4999	55-UC2002	\$42.10	
5000+	55-UC2003	\$32.38	
250-999	55-UC2001-M	\$6.35	
1000-4999	55-UC2002-M	\$5.89	
5000+	55-UC2003-M	\$4.53	

BROADTOUCH BUSINESS COMMUNICATOR

NUMBER OF USERS	Business Communicator- Basic Desktop Edition (Windows or Mac) (MOQ 100; Add-on Quantity 25)		
500-999	80-DT5201	\$8.22	
1000-4999	80-DT5202	\$6.48	
500-999	80-DT5201-M	\$1.01	
1000-4999	80-DT5202-M	\$.76	

NUMBER OF USERS	Business Communicator- Basic Mobile Edition (iOS and Android) (MOQ 100; Add-on Quantity 25)		
500-999	80-DT5301	\$8.22	
1000-4999	80-DT5302	\$6.48	
500-999	80-DT5301-M	\$1.01	
1000-4999	80-DT5302-M	\$.76	

NUMBER OF USERS	Business Communicator- Voice Desktop Version (Windows or Mac) (MOQ 100; Add-on Quantity 25)		
500-999	80-DT5211	\$16.19	
1000-4999	80-DT5212	\$12.95	
500-999	80-DT5211-M	\$2.32	
1000-4999	80-DT5212-M	\$1.76	

NUMBER OF USERS	<i>Business Communicator- Voice Mobile Version (iOS and Android) (MOQ 100; Add-on Quantity 25)</i>		
500-999	80-DT5311	\$16.19	
1000-4999	80-DT5312	\$12.95	
500-999	80-DT5311-M	\$2.32	
1000-4999	80-DT5312-M	\$1.76	
UNITS	SKU	UNIT PRICE	
BROADTOUCH BUSINESS COMMUNICATOR			

NUMBER OF USERS	<i>Business Communicator- Voice and Video Desktop Version (Windows or Mac) (MOQ 100; Add-on Quantity 25)</i>		
500-999	80-DT5221	\$25.34	
1000-4999	80-DT5222	\$20.24	
500-999	80-DT5221-M	\$3.78	
1000-4999	80-DT5222-M	\$2.11	

NUMBER OF USERS	<i>Business Communicator- Voice and Video Mobile Version (iOS and Android) (MOQ 100; Add-on Quantity 25)</i>		
500-999	80-DT5321	\$25.34	
1000-4999	80-DT5322	\$20.24	
500-999	80-DT5321-M	\$3.78	
1000-4999	80-DT5322-M	\$2.11	

PROFESSIONAL SERVICES

PROFESSIONAL SERVICES - DEPLOYMENT ENGINEERING		
	95-BS5205	\$1642.66 per day plus T&E

PROFESSIONAL SERVICES - NETWORK SOLUTIONS		
	95-BS5100	\$1642.66 per day plus T&E

PROFESSIONAL SERVICES - BROADWORKS AUDITS		
	95-BS5500	\$1642.66 per day plus T&E

PROFESSIONAL SERVICES - RESIDENT ENGINEER (LESS THAN 50 PERSON-DAYS)		
	95-BS5600	\$1642.66 per day plus T&E

RESOLD PRODUCTS

- This section of the price book contains SKUs and pricing for third-party / partner products being resold by BroadSoft
- - is||coord UC Connect for Microsoft Lync Softphone

RESOLD PRODUCTS PRICE SCHEDULE

<i>UNITS</i>	<i>SKU</i>	<i>UNIT PRICE</i>	
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is coord for Microsoft

<i>NUMBER OF USERS</i>	<i>is coord for Microsoft Lync Softphone (is coord v 2.2 - Lync 2010 and 2013 Support)</i>		
500-999	80-ML2000	\$35.43	
1000-4999	80-ML2001	\$28.34	

**COMMITMENT TO PROMOTE SMALL BUSINESS
PARTICIPATION PROCUREMENT PROGRAMS**

PREAMBLE

Vencore Services and Solutions, Inc. provides commercial products and services to ordering activity. 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 ordering activity contracts. To accelerate potential opportunities please contact:

Geoffrey Vance
Contracts Manager
Vencore Services and Solutions, Inc. (VSS)
4250 Pacific Highway, Suite 219
San Diego, Can 92110
619-321-6173
Geoffrey.vance@vencore.com

BPA NUMBER _____

**(CUSTOMER NAME)
BLANKET PURCHASE AGREEMENT**

Pursuant to GSA Federal Supply Schedule Contract Number(s) _____, Blanket Purchase Agreements, the Contractor agrees to the following terms of a Blanket Purchase Agreement (BPA) EXCLUSIVELY WITH (ordering activity):

(1) The following contract items can be ordered under this BPA. All orders placed against this BPA are subject to the terms and conditions of the contract, except as noted below:

MODEL NUMBER/PART NUMBER *SPECIAL BPA DISCOUNT/PRICE

_____	_____
_____	_____
_____	_____

(2) Delivery:

DESTINATION

DELIVERY SCHEDULES / DATES

_____	_____
_____	_____
_____	_____

(3) The ordering activity estimates, but does not guarantee, that the volume of purchases through this agreement will be _____.

(4) This BPA does not obligate any funds.

(5) This BPA expires on _____ or at the end of the contract period, whichever is earlier.

(6) The following office(s) is hereby authorized to place orders under this BPA:

OFFICE

POINT OF CONTACT

_____	_____
_____	_____
_____	_____

(7) Orders will be placed against this BPA via Electronic Data Interchange (EDI), FAX, or paper.

(8) Unless otherwise agreed to, all deliveries under this BPA must be accompanied by delivery tickets or sales slips that must contain the following information as a minimum:

(a) Name of Contractor;

(b) Contract Number;

- (c) BPA Number;
- (d) Model Number or National Stock Number (NSN);
- (e) Purchase Order Number;
- (f) Date of Purchase;
- (g) Quantity, Unit Price, and Extension of Each Item (unit prices and extensions need not be shown when incompatible with the use of automated systems; provided, that the invoice is itemized to show the information); and
- (h) Date of Shipment.

(9) The requirements of a proper invoice are specified in the Federal Supply Schedule contract. Invoices will be submitted to the address specified within the purchase order transmission issued against this BPA.

(10) The terms and conditions included in this BPA apply to all purchases made pursuant to it. In the event of an inconsistency between the provisions of this BPA and the Contractor's invoice, the provisions of this BPA will take precedence.

BASIC GUIDELINES FOR USING "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.

These Team Arrangements can be included under a Blanket Purchase Agreement (BPA). BPAs are permitted under all Federal Supply Schedule contracts.

Orders under a Team Arrangement are subject to terms and conditions or the Federal Supply Schedule Contract.

Participation in a Team Arrangement is limited to Federal Supply Schedule Contractors.

Customers should refer to FAR 9.6 for specific details on Team Arrangements.

Here is a general outline on how it works:

- The customer identifies their requirements.
- Federal Supply Schedule Contractors may individually meet the customers needs, or -
- Federal Supply Schedule Contractors may individually submit a Schedules "Team Solution" to meet the customer's requirement.
- Customers make a best value selection.