



**GENERAL SERVICES ADMINISTRATION
Federal Supply Service
Authorized Federal Supply Schedule Price List**

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSAAAdvantage®, a menu-driven database system. The INTERNET address GSAAAdvantage® is: GSAAAdvantage.gov.

**Multiple Award Schedule
Contract Number: GS-35F-116AA**

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Contract Period: December 13, 2012 through December 12, 2022
Current Period: Option Year 1 December 13, 2017 – December 12, 2022

Special Item No. 561422	Automated Contact Center Solutions (ACCS)
Special Item No. 511210	Software Licenses
Special Item No. 54151	Software Maintenance Services
Special Item No. 518210C	Cloud and Cloud-Related IT Professional Services
Special Item No. 541370GEO	Earth Observation Solutions
Special Item No. 54151HACS	Highly Adaptive Cybersecurity Services (HACS)
Special Item No. 611420	Information Technology Training
Special Item No. 54151S	Information Technology Professional Services
Special Item No. 54151ECOM	Electronic Commerce and Subscription Services
Special Item No. 54151HEAL	Health Information Technology Services
Special Item No. 541519PIV	Homeland Security Presidential Directive 12 Product and Service Components
Special Item No. 541611O	Office Management Needs Assessment and Analysis
Special Item No. 518210DC	Document Conversion Services
Special Item No. 541611LIT	Litigation Support Services
Special Item No. 518210ERM	Electronics Records Management Solutions
Special Item No. ANCILLARY	Ancillary Supplies and/or Services
Special Item No. OLM	Order-Level Materials



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Business Size: Large Business

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SPECIAL NOTICE TO AGENCIES:

1.0 USA COMMITMENT TO PROMOTE SMALL BUSINESS PARTICIPATION PROCUREMENT PROGRAMS

Leidos, Inc. provides commercial products and services to ordering activities. We are committed to promoting participation of small, small disadvantaged, women owned, hub zone and veteran 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.

1.1 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 Kyle Hoomans or email at gsapmo@leidos.com.

1.2 Small Business Participation

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

For orders exceeding the micro purchase threshold, FAR 8.404 requires agencies to consider the catalogs/pricelists of at least three schedule contractors or consider reasonably available information by using the GSA Advantage!™ online shopping service (www.fss.gsa.gov). The catalogs/pricelists, GSA Advantage!™ and the Federal Acquisition Schedule Home Page contain information on a broad array of products and services offered by small business concerns. More information is available at Federal Acquisition Schedule.

This information should be used as a tool to assist ordering activities in meeting or exceeding established small business goals. It should also be used as a tool to assist in including small,

1.0 USA COMMITMENT TO PROMOTE SMALL BUSINESS PARTICIPATION PROCUREMENT PROGRAMS

small disadvantaged business, and women-owned small businesses among those considered when selecting pricelists for a best value determination.

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

2.0 INFORMATION FOR ORDERING OFFICES

2.1a. Table of Awarded Special Item Numbers

Special Item No. 561422	Automated Contact Center Solutions (ACCS)
Special Item No. 511210	Software Licenses
Special Item No. 54151	Software Maintenance Services
Special Item No. 518210C	Cloud and Cloud-Related IT Professional Services
Special Item No. 541370GEO	Earth Observation Solutions
Special Item No. 54151HACS	Highly Adaptive Cybersecurity Services (HACS)
Special Item No. 611420	Information Technology Training
Special Item No. 54151S	Information Technology Professional Services
Special Item No. 54151ECOM	Electronic Commerce and Subscription Services
Special Item No. 54151HEAL	Health Information Technology Services
Special Item No. 541519PIV	Homeland Security Presidential Directive 12 Product and Service Components
Special Item No. 541611O	Office Management Needs Assessment and Analysis
Special Item No. 518210DC	Document Conversion Services
Special Item No. 541611LIT	Litigation Support Services
Special Item No. 518210ERM	Electronics Records Management Solutions
Special Item No. ANCILLARY	Ancillary Supplies and/or Services
Special Item No. OLM	Order-Level Materials

2.1b. Lowest priced model number and lowest unit price for that model for each SIN awarded in the contract. ** Please refer to the corresponding Pricelist/Table per SIN**

2.1c. Description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees. ** Please refer to the corresponding Labor Descriptions per SIN**

2.2 Maximum Order

The maximum order value is \$500,000.

2.3 Minimum Order

The minimum dollar value of orders to be issued is \$100.

2.4 Geographic Scope of Contract:

The geographic scope of this contract is the 48 contiguous states; Washington, DC; Alaska; Hawaii; Puerto Rico; U.S. Territories; and other overseas locations. The Geographic Scope of Contract will be domestic and overseas delivery.

2.5 Point of Production:

Same as Contractor's Address.

2.6 Discount from List Prices or Statement of Net Price

Prices shown are NET Prices; basic discounts have been deducted.

2.0 INFORMATION FOR ORDERING OFFICES

Government Educational Institutions: Government Educational Institutions are offered the same discounts as all other Government customers, unless otherwise specified in the Vendor's product and service offering

2.7 Quantity Discount

Quantity: Please refer to each Vendor's product & service offering.

2.8 Prompt Payment Terms

Prompt Payment: Net 30

2.9a Notification that Government Purchase Cards are accepted at or below the micro-purchase threshold:

Yes.

2.9b Notification that Government Purchase Cards are accepted above the micro-purchase threshold:

Yes

2.10 Foreign Items:

None.

2.11 Delivery Schedule

(a) *Time of Delivery.* The contractor shall deliver to destination within the number of calendar days after receipt of order (ARO), as set forth below:

Special Item Number	Delivery Time (DAYS ARO)
561422	As negotiated
511210	30 days, unless otherwise noted in pricelist
54151	30 days, unless otherwise noted in pricelist
518210C	As negotiated
541370GEO	As negotiated
54151HACS	As negotiated
611420	30 days, unless otherwise noted in pricelist
54151S	As negotiated
54151ECOM	As negotiated
54151HEAL	As negotiated
541519PIV	As negotiated
541611O	As negotiated
518210DC	As negotiated
541611LIT	As negotiated
518210ERM	As negotiated
ANCILLARY	As negotiated
OLM	As negotiated

(b) *Expedited Delivery.* Items available for expedited delivery are noted in this price list.

(c) *Overnight and 2-Day Delivery Times.* Standard commercial rates for overnight or two (2) day delivery will be charged.

2.0 INFORMATION FOR ORDERING OFFICES

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

2.12 F.O.B. Point(s).

Destination

2.13a. Ordering Address:

Leidos, Inc.
 1750 Presidents Street
 Reston, VA 20190
 202-386-1703 (Leidos Enterprise IDIQ Contracts Office)
 301-768-8999 (Leidos Enterprise IDIQ Center)

2.13b. Ordering Procedures:

Ordering activities shall use the ordering procedures of Federal Acquisition Regulation (FAR) 8.405 when placing an order or establishing a BPA for supplies or services. These procedures apply to all schedules.

- a. FAR 8.405-1 Ordering procedures for supplies, and services not requiring a statement of work.
- b. FAR 8.405-2 Ordering procedures for services requiring a statement of work.
- c. FAR 8.405-3 Ordering procedures for supplies and services on Blanket Purchase Agreements (BPA's)

2.14 Contractor's Payment Address

Electric Fund Transfer	EFT Remittance Address
Leidos, Inc. Citibank, N.A. 399 Park Avenue New York, NY 10043 Account Number 30547584 ABA No. 021000089 SWIFT: CITIUS33	Leidos, Inc. Box 223058 Pittsburgh, PA 15251-2058

2.15 Warranty Provision

- (a) Unless specified otherwise in this contract, the Supplier's standard commercial warranty as stated in the supplier'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.

2.0 INFORMATION FOR ORDERING OFFICES

(d) If inspection and repair of defective equipment under this warranty will be performed at the Supplier's plant it will be done in accordance with the supplier's standard commercial practice

2.16 Export Packing Charges, If Applicable

NOT APPLICABLE

2.17 Terms and Conditions of Government Purchase Card Acceptance

Contractors are required to accept credit cards for payments equal to or less than the micro-purchase threshold for oral or written delivery orders.

Credit cards will be acceptable for payment above the micro-purchase threshold. In addition, bank account information for wire transfer payments will be shown on the invoice.

The following telephone number(s) can be used by ordering agencies to obtain technical and/or ordering assistance.

Tel: 202-386-1703 (Leidos Enterprise IDIQ Contracts Office)

Tel: 301-768-8999 (Leidos Enterprise IDIQ Center)

The latest electronic version of Leidos' IT GSA Schedule is available in Adobe Acrobat format for downloading at:

https://www.gsaadvantage.gov/ref_text/GS35F116AA/GS35F116AA_online.htm.

2.18 The corresponding terms and conditions for rental, maintenance, and repair are provided in the applicable SIN section of the pricelist.

The terms and conditions of this contract shall apply to all orders for installation, maintenance and repair of equipment in areas listed in the pricelist outside the 48 contiguous states and the District of Columbia. Upon request of the contractor, the ordering activity may provide the contractor with logistics support, as available, in accordance with all applicable ordering activity regulations. Such ordering activity support will be provided on a reimbursable basis, and will only be provided to the Contractor's technical personnel whose services are exclusively required for the fulfillment of the terms and conditions of this contract.

2.19 The corresponding terms and conditions of installation if applicable are provided in each of the applicable SIN section of the pricelist.

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

2.20 Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices.

NOT APPLICABLE

2.21 Distribution Points.

NOT APPLICABLE

2.0 INFORMATION FOR ORDERING OFFICES

2.22 Participating Dealers.

NOT APPLICABLE

2.23 Preventive Maintenance.

NOT APPLICABLE

2.24a. Environmental Attributes.

NOT APPLICABLE

2.24b Section 508 Compliance.

** Leidos has the capability to comply with Section 508 requirements throughout its performance of this contract. Leidos is committed to supporting government customers in meeting their statutory requirements of Section 508 upon receipt of their Section 508 requirements in accordance with the FAR, and delineated under www.section508.gov/.*

In light of the above specified legal requirements, it is Leidos' understanding that the following regulatory guidance will be evaluated by the government and incorporated as deemed necessary into the SOW for each Task Order placed against this contract vehicle:

- 1. Listing of Standards out of 36 CFR 1194 that will apply to the Task Order (products and services)*
- 2. Listing of any specific technologies that the government wishes be used or purchased to support the contracted effort*
- 3. Listing of legacy EIT conditions or other interoperability requirements that may affect the contractor's ability to meet the regulatory Standards that were selected*
- 4. Leidos is aware of the Section 508 requirement, and has the internal capability to address our clients' needs. We look forward to the opportunity to assist them in their EIT procurement or re-design needs, and can help them assess the status of their own Section 508 compliance.*

Should an exemption to the statutory requirements of Section 508 be applicable, Leidos will be notified in the Task Order SOW.

The offeror is required to submit with its offer a designated area on its website that outlines the Voluntary Product Accessibility Template (VPAT) or equivalent qualification, which ultimately becomes the Government Product Accessibility Template (GPAT). Section 508 compliance information on the supplies and services in this contract are available at the following website address (URL): **

*** Leidos recognizes the Government's request for information regarding the compliance level of the EIT products and services provided under this contract. Leidos is committed to use the Standards that the Government will provide at the contract Task Order level. If Leidos cannot find and/or provide an EIT that meets all the Standards, Leidos will ensure that we provide for the Government's consideration the most accessible EIT for the Task Order requirement.*

For Leidos manufactured products, the Section 508 product information is available at the following website: <https://www.buyaccessible.gov>.

The EIT standard can be found at: www.Section508.gov/.

2.25 Data Universal Number System (DUNS) number:

967488987

2.26 Notification regarding registration in System for Award Management (SAM) database.

Leidos is registered with the System for Award Management at <http://www.sam.gov>. The information provided in SAM is current, accurate, and complete.

2.0 INFORMATION FOR ORDERING OFFICES

2.27 Order-Level Materials SIN OLM

Order-Level Materials (OLMs) are supplies and/or services acquired in direct support of an individual task or delivery order placed against a Federal Supply Schedule (FSS) contract or FSS blanket purchase agreement (BPA). OLMs are not defined, priced, or awarded at the FSS contract level. They are unknown before a task or delivery order is placed against the FSS contract or FSS BPA. OLMs are only authorized for inclusion at the order level under a Time and Materials (T&M) or Labor-Hour (LH) Contract Line Item Number (CLIN) and are subject to a Not To Exceed (NTE) ceiling price. OLMs include direct materials, subcontracts for supplies and incidental services for which there is not a labor category specified in the FSS contract, other direct costs (separate from those under ODC SINs), and indirect costs. OLMs are purchased under the authority of the FSS Program and are not “open market items.”

Items awarded under ancillary supplies/services or other direct cost (ODC) SINs are not OLMs. These items are defined, priced, and awarded at the FSS contract level, whereas OLMs are unknown before an order is placed. Ancillary supplies/services and ODC SINs are for use under all order type CLINs (Fixed-Price (FP), T&M, and LH), whereas the Order-Level Materials SIN is only authorized for use under T&M and LH order CLINs.

The Order-Level Materials SIN is only authorized for use in direct support of another awarded SIN. Price analysis for OLMs is not conducted when awarding the FSS contract or FSS BPA; therefore, GSAR 538.270 and 538.271 do not apply to OLMs. OLMs are defined and priced at the ordering activity level in accordance with GSAR clause 552.238-82 Special Ordering Procedures for the Acquisition of Order-Level Materials. Prices for items provided under the Order-Level Materials SIN must be inclusive of the Industrial Funding Fee (IFF). The cumulative value of OLMs in an individual task or delivery order cannot exceed 33.33% of the total value of the order.

2.28 Service Contract Labor Standards, Incorporated in MAS Mod PS-A812

Current Wage Determination: 4001-4999 and 5000-5852 Dated April 2019 (PCO must identify WD or exemption at TO level)

Labor Category SIN(s)	SCA Eligible Contract Labor Category	SCA Equivalent Code Title	WD Number Rev. No 12
541370GEO; 54151HACS; 54151S; 54151HEAL	Administrative Support	14160 - Personal Computer Support Technician	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Administrative Support I	01311 SECRETARY I	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Administrative Support II	01312 SECRETARY II	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Administrative Support III	01313 SECRETARY III	2015-4281

2.0 INFORMATION FOR ORDERING OFFICES

541370GEO; 54151HACS; 54151S; 54151HEAL	Computer Operator	14044 – Computer Operator IV	2015-4281
561422	Contact Center Administrative Assistant	01020 – Administrative Assistant	2015-4281
561422	Contact Center Customer Service Representative I	01041 - Customer Service Representative I	2015-4281
561422	Contact Center Customer Service Representative I - Bilingual	01041 - Customer Service Representative I	2015-4281
561422	Contact Center Customer Service Representative II	01042 - Customer Service Representative II	2015-4281
561422	Contact Center Customer Service Representative II - Bilingual	01042 - Customer Service Representative II	2015-4281
561422	Contact Center Customer Service Representative III	01043 - Customer Service Representative III	2015-4281
561422	Contact Center Customer Service Representative III - Bilingual	01043 - Customer Service Representative III	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Data Entry Technician I	01051 - Data Entry Operator I	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Data Entry Technician II	01052 - Data Entry Operator II	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Data Entry Technician III	01612 - Word Processor II	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Data Entry Technician IV	01613 - Word Processor III	2015-4281

2.0 INFORMATION FOR ORDERING OFFICES

541370GEO; 54151HACS; 54151S; 54151HEAL	Data Entry/Analyst I	14160 - Personal Computer Support Technician	2015-4281
541370GEO; 54151HACS; 54151S; 54151HEAL	Data Entry/Analyst II	14160 - Personal Computer Support Technician	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Database Administrator	14170 - System Support Specialist	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Document Management Analyst I	01112 - General Clerk II	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Document Management Analyst II	01113 - General Clerk III	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Document Management Technician I	21150 - Stock Clerk	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Document Management Technician II	21130 - Shipping/Receiving Clerk	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Document Processing Technician I	14041 - Computer Operator I	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Document Processing Technician II	14042 - Computer Operator II	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Document Processing Technician III	14043 - Computer Operator III	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Document Processing Technician IV	14044 - Computer Operator IV	2015-4281
541370GEO; 54151HACS; 54151S; 54151HEAL	Draftsman	30062 – Drafter/CAD Operator II	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	ESI Processing Specialist I	14071 - Computer Programmer I	2015-4281

2.0 INFORMATION FOR ORDERING OFFICES

541611O; 518210DC; 541611LIT; 518210ERM	General Clerk I	01111 - General Clerk I	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	General Clerk II	01112 - General Clerk II	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	General Clerk III	01113 - General Clerk III	2015-4281
541370GEO; 54151HACS; 54151S; 54151HEAL	Hardware/Software Installation Technician	14160 - Personal Computer Support Technician	2015-4281
541370GEO; 54151HACS; 54151S; 54151HEAL	Help Desk Specialist	14160 - Personal Computer Support Technician	2015-4281
541370GEO; 54151HACS; 54151S; 54151HEAL	Information Engineer I	14072 - Computer Programmer II	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Library Technician	13058 - Library Technician	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Network Administrator I	14160 - Personal Computer Support Technician	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Network Administrator II	14170 - System Support Specialist	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Paralegal I	30361 - Paralegal/Legal Assistant I	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Paralegal II	30362 - Paralegal/Legal Assistant II	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Paralegal III	30363 - Paralegal/Legal Assistant III	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Paralegal IV	30364 - Paralegal/Legal Assistant IV	2015-4281

2.0 INFORMATION FOR ORDERING OFFICES

541370GEO; 54151HACS; 54151S; 54151HEAL	Production Control Specialist	14042 – Computer Operator II	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Records Analyst I	13058 - Library Technician	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Survey Technician	13058 - Library Technician	2015-4281
541370GEO; 54151HACS; 54151S; 54151HEAL	Systems Operator	14043 – Computer Operator III	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Technical Writer/Editor I	30461 - Technical Writer I	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Technical Writer/Editor II	30462 - Technical Writer II	2015-4281
541611O; 518210DC; 541611LIT; 518210ERM	Technical Writer/Editor III	30463 - Technical Writer III	2015-4281
541370GEO; 54151HACS; 54151S; 54151HEAL	Webmaster	14072 – Computer Programmer II	2015-4281

**The Service Contract Labor Standards (SCLS) is applicable to this contract and it includes SCLS applicable labor categories. The prices for the cited SCLS labor categories are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCLC matrix. The prices offered are based on the preponderance of where work is performed and should the contractor perform in an area with lower SCLS rates, resulting in lower wages being paid, the task order prices will be discounted accordingly.

**3.0 BEST VALUE BLANKET PURCHASE AGREEMENT
FEDERAL SUPPLY SCHEDULE**

(Insert Customer Name)

In the spirit of the Federal Acquisition Streamlining Act (ordering activity) and (Contractor) enter into a cooperative agreement to further reduce the administrative costs of acquiring commercial items from the General Services Administration (GSA) Federal Supply Schedule Contract(s)

Federal Supply Schedule contract BPAs eliminate contracting and open market costs such as: search for sources; the development of technical documents, solicitations and the evaluation of offers. Teaming Arrangements are permitted with Federal Acquisition Schedule Contractors in accordance with Federal Acquisition Regulation (FAR) 9.6.

This BPA will further decrease costs, reduce paperwork, and save time by eliminating the need for repetitive, individual purchases from the schedule contract. The end result is to create a purchasing mechanism for the ordering activity that works better and costs less.

Signatures

Ordering Activity	Date	Contractor	Date
			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 _____.

**3.0 BEST VALUE BLANKET PURCHASE AGREEMENT
FEDERAL SUPPLY SCHEDULE**

- (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)
 - (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.

4.0 BASIC GUIDELINES FOR USING “CONTRACTOR TEAM ARRANGEMENTS”

Federal Supply Schedule Contractors may use “GSA Schedule Contractor Team Arrangements” (not to be confused with FAR 9.6 “Contractor Team Arrangements”) to provide solutions when responding to an ordering activity requirements.

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

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

Participation in a GSA Contractor Team Arrangement is limited to Federal Acquisition Supply Contractors.

Customers should refer to the GSA Schedules Contractor Team Arrangement (CTA) website [<https://www.gsa.gov/acquisition/purchasing-programs/gsa-schedules/schedules-flexibilities/contractor-team-arrangements>] for specific details on GSA Contractor Team Arrangements.

Here is a general outline on how it works:

The customer identifies their requirements.

Federal Supply Schedule Contractors may individually meet the customer’s 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.

5.0 RESERVED

INFORMATION TECHNOLOGY CATEGORY

6.0 TERMS AND CONDITIONS APPLICABLE FOR ALL IT SINs

6.1. 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 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

6.2. PERFORMANCE OF SERVICES

a. All 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.

b. The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity. All Contracts will be fully funded.

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 Services must comply with the Pub. L. 99-234 and FAR Part 31.205-46, 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. All travel will be agreed upon with the client prior to the Contractor’s travel.

6.3. TRAVEL

Any Contractor travel required in the performance of Services must comply with the Pub. L. 99-234 and FAR Part 31.205-46, 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

6.0 TERMS AND CONDITIONS APPLICABLE FOR ALL IT SINs

cannot use GSA city pair contracts. All travel will be agreed upon with the client prior to the Contractor's travel.

6.4. ENTERPRISE USER LICENSE AGREEMENTS REQUIREMENTS (EULA) COMMERCIAL SUPPLIER AGREEMENTS (CSAs)

The Contractor shall provide all Commercial Supplier Agreements (CSAs) to include End User License Agreements (EULAs), Service Level Agreements (SLAs), or Terms of Service (ToS) in an editable Microsoft Office (Word) format. "Clickwrap" submissions or links to agreements are not acceptable. The Contractor must clearly define what additional products, services, and prices are included with its CSA.

6.5 WARRANTY

- a) Unless otherwise specified in this contract, the Contractor's standard commercial warranty as stated in the contract's commercial pricelist will apply to this contract.
- b) The Contractor's commercial guarantee/warranty shall be included in the Commercial Supplier Agreement to include Enterprise User License Agreements or Terms of Service (TOS) agreements, if applicable.
- c) 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.

6.6. RESUMES

Resumes shall be provided to the GSA Contracting Officer or the user ordering activity upon request or as required. The contractor is required to provide personnel meeting the qualifications specified under any labor categories quoted on a Time & Materials order or that form the Firm Fixed Price.

6.7. 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.

6.8. DESCRIPTION OF SERVICES AND PRICING

(a) The Contractor shall provide a description of offerings under Earth Observation Solutions SIN in the same manner as the Contractor sells to its commercial and ordering activity customers. The contractor shall provide a description and any applicable licensing should be included. If the contractor is proposing hourly rates (for hours that are not already rolled into a subscription), then a description of all corresponding commercial job titles (labor categories) for those individuals who will perform the service should be provided.

(b) Pricing shall be in accordance with the Contractor's customary commercial practices; e.g., hourly rates, monthly rates, term rates, and/or fixed prices, minimum general experience and minimum education.

The following is an example of the manner in which the description of a commercial job title should be presented if applicable. Contractors shall only use personnel who meet the requirements or any equivalent combination of education and experience cited by the vendor:

EXAMPLE: Commercial Job Title: System Engineer

6.0 TERMS AND CONDITIONS APPLICABLE FOR ALL IT SINs

Minimum/General Experience: Three (3) years of technical experience which applies to systems analysis and design techniques for complex computer systems. Requires competence in all phases of systems analysis techniques, concepts and methods; also requires knowledge of available hardware, system software, input/output devices, structure and management practices.

Functional Responsibility: Guides users in formulating requirements, advises alternative approaches, and conducts feasibility studies.

Minimum Education: Bachelor's Degree in Computer Science

(c) Group 70 Information Technology Schedule is not to be used as a means to procure services which fall under the Brooks Act. The services offered under this SIN shall NOT include construction, alteration of real property or Architect-Engineering (A-E) services as set forth in FAR Part 36. 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 that are allowable on Schedule 70.

6.9. ORDER

Agencies may use written orders, Electronic Data Interchange (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.

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.

7.0 TERMS AND CONDITIONS APPLICABLE TO AUTOMATED CONTACT CENTER SOLUTIONS (ACCS) (SIN 561422)

****NOTE: All non-professional labor categories must be incidental to, and used solely to support Automated Contact Center Solutions, and cannot be purchased separately.

7.1 SCOPE

The intended scope of this SIN is to offer ACCS. ACCS is defined as any combination of products, equipment, software and/or services that are required to establish and maintain contact center capabilities managed by the contractor for an agency. These include a wide range of automated and attended managed solutions that allow agencies to respond to inquiries from the public. Permissible offerings under this SIN may include any technologies or services required to deliver and support ACCS to agencies, including but not limited to: Technology: Automated services to include but not limited to Artificial Intelligence (AI), Chat Bots, Robotic Process Automation, Interactive Voice Response (IVR), Voice/Speech Recognition, Text-to-Speech, Voicemail, Callback, Web Callback, Email Delivery, Hosted Online Ordering, Hosted Email Web Form, Hosted FAQ Service, etc.)

NOTE: The anticipated Place of Performance required to meet the Government need shall be defined at the task order level, and contractors should anticipate contractor-site and Government-site requirements.

Ancillary supplies and/or services shall neither be the primary purpose nor the preponderance of the work ordered, but be an integral part of the total solution offered. Ancillary supplies and/or services may only be ordered in conjunction with or in support of IT supplies and/or services purchased under the ACCS SIN.

Ordering activities may request from Schedule contractors their awarded End User License Agreements (EULAs) or Terms of Service (TOS) Agreements, which will assist the ordering activities with reviewing the terms and conditions and additional products and services and prices which, may be included.

7.2 TRANSITION OF CONTACT CENTER SERVICES

- (a) The time period required to transition from an ordering activity's existing contact center solution and requirements to new requirements (as defined in the task order), and shall be in accordance with the ordering activity's task order.
- (b) Transition shall begin at Notice-To-Proceed and continue for a period as specified in the task order. During the transition period, the Contractor shall work with the ordering activity to develop a sound project implementation plan and to perform all preparatory work to establish one or more fully functional multi-channel contact centers in support of the task.
- (c) The Government will transfer business and procedural data, including appropriate training material, to the Contractor, and work with the Contractor to establish appropriate system feeds.
- (d) The transition period will provide the Contractor with the opportunity to prepare and staff its contact center; develop the support of the knowledge base and scripts for automated response in support of the project; establish a fully functional contact center to handle the expected work volume; and complete all transition related activities to migrate the service to the new center.
- (e) Based on the Contractor's ability and expert advice on transitioning the work volume, the ordering activity reserves the right to coordinate with the Contractor to achieve a staffing plan that minimizes disruption of the existing services and seamlessly transitions the customer base and work volumes to the new center.

7.0 TERMS AND CONDITIONS APPLICABLE TO AUTOMATED CONTACT CENTER SOLUTIONS (ACCS) (SIN 561422)

7-1.0 AUTOMATED CONTACT CENTER SOLUTIONS (SIN 561422) LABOR CATEGORIES

7-1.1 Contact Center Administrative Assistant

General Summary

Responsible for providing general administrative, clerical, and/or secretarial support for the contact center. Performs routine and non-routine tasks including special projects. May be responsible for scheduling and making arrangements for meetings. Generates and distributes contact center operational reports. May order supplies for contact center facilities, distribute mail, answer phones, manage facility badges, maintain facility visitor documentation, and other office administrative duties as required. Interacts with other support staff and departments to gather, supply, or coordinate information. Receives general instructions on routine work, detailed instructions on new assignments. Works on assignments that are routine in nature and typically works within defined standard practices and procedures.

Job Specifications

High School Diploma or other equivalent degree program, and two (2) years prior experience.

7-1.2 Contact Center Application Programmer/Analyst

General Summary

Responsible for defining, designing, configuring, implementing, and maintaining technical solutions that support the efficient and accurate delivery of high quality contact center services. Collaborates with contact center management, staff, and clients to analyze and understand program requirements, client goals, and end user experience and needs. Delivers and continuously improves solutions that support one or more contact center channels including but not limited to email, web chat, social media, web self-service, and mobile applications. Analyzes solution performance, utilization and trends to identify areas for improvement. Develops contact center solutions of low to medium complexity.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

7-1.3 Contact Center Artificial Intelligence Engineer

General Summary

Responsible for defining, designing, configuring, implementing, and maintaining artificial intelligence solutions that efficiently and accurately deliver or support the efficient delivery of high quality contact center services. Collaborates with contact center management, staff, and clients to analyze and understand program requirements, client goals, and end user experience and needs. Recommends, designs, implements and continually improves contact center solutions that are artificial intelligence-based such as chatbots and virtual assistants. May utilize machine learning and robotic process automation to develop contact center solutions that deliver efficient, accurate and high quality customer services. Analyzes solution performance, utilization and trends to identify areas for improvement. Develops contact center solutions of low to medium complexity.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience.

7-1.4 Contact Center Customer Relationship Management (CRM) Developer

General Summary

Responsible for defining, designing, configuring, implementing, and maintaining Customer Relationship Management solutions that efficiently and accurately support the delivery of high quality contact center services. Collaborates with contact center management, staff, and clients to analyze and understand program requirements, client goals, and end user experience and needs. Recommends, designs, configures, and implements enhancements to Customer Relationship Management solutions that promote efficient customer service and continually improve customer experience. Analyzes solution performance, utilization and trends to identify areas for improvement. Develops contact center solutions of low to medium complexity.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

7-1.5 Contact Center Customer Service Representative I

General Summary

Responsible for responding to customer inquiries and requests via one or more contact channels including but not limited to telephone, email, Web chat, postal mail, and facsimile. Assesses customer service needs and either responds with appropriate information or escalates the inquiry to higher tiered support staff. Uses web-based applications to document inquiry details and to find information to provide in responses. Requires minimal to no subject matter expertise.

Job Specifications

High School Diploma or other equivalent degree program.

7-1.6 Contact Center Customer Service Representative I - Bilingual

General Summary

Responsible for responding to customer inquiries and requests via one or more contact channels including but not limited to telephone, email, Web chat, postal mail, and facsimile. Assesses customer service needs and either responds with appropriate information or escalates the inquiry to higher tiered support staff. Uses web-based applications to document inquiry details and to find information to provide in responses. Requires minimal to no subject matter expertise. Fluent in both English and Spanish

Job Specifications

High School Diploma or other equivalent degree program.

7-1.7 Contact Center Customer Service Representative II

General Summary

Responsible for responding to customer inquiries and requests via one or more contact channels including but not limited to telephone, email, Web chat, postal mail, and facsimile. May respond to escalated inquiries requiring low to moderately complex processing. Assesses customer service needs and either responds with appropriate information or escalates the inquiry to higher tiered support staff. Uses web-based applications to document inquiry details and to find information to provide in responses. Requires low to moderate subject matter expertise. May provide support to representatives with less experience

Job Specifications

High School Diploma or other equivalent degree program, and one (1) year prior experience.

7-1.8 Contact Center Customer Service Representative II - Bilingual

General Summary

Responsible for responding to customer inquiries and requests via one or more contact channels including but not limited to telephone, email, Web chat, postal mail, and facsimile. May respond to escalated inquiries requiring low to moderately complex processing. Assesses customer service needs and either responds with appropriate information or escalates the inquiry to higher tiered support staff. Uses web-based applications to document inquiry details and to find information to provide in responses. Requires low to moderate subject matter expertise. Fluent in both English and Spanish. May provide support to representatives with less experience.

Job Specifications

High School Diploma or other equivalent degree program, and one (1) year prior experience.

7-1.9 Contact Center Customer Service Representative III

General Summary

Responsible for responding to customer inquiries and requests via one or more contact channels including but not limited to telephone, email, Web chat, postal mail, and facsimile. May respond to escalated inquiries requiring moderate to highly complex processing. Assesses customer service needs and either responds with appropriate information or escalates the inquiry to higher tiered support staff. Uses web-based applications to document inquiry details and to find information to provide in responses. Requires moderate to high subject matter expertise. May provide support to representatives with less experience.

Job Specifications

High School Diploma or other equivalent degree program, and three (3) years prior experience.

7-1.10 Contact Center Customer Service Representative III - Bilingual

General Summary

Responsible for responding to customer inquiries and requests via one or more contact channels including but not limited to telephone, email, Web chat, postal mail, and facsimile. May respond to escalated inquiries requiring moderate to highly complex processing. Assesses customer service needs and either responds with appropriate information or escalates the inquiry to higher tiered support staff. Uses web-based applications to document inquiry details and to find information to provide in responses. Requires moderate to high subject matter expertise. Fluent in both English and Spanish. May provide support to representatives with less experience

Job Specifications

High School Diploma or other equivalent degree program, and three (3) years prior experience.

7-1.11 Contact Center Training Manager

General Summary

Responsible for planning, developing and delivering training and instruction of client mission-based subject matter needed for successful delivery of contact center services. Designs, develops, prepares and refines training curriculum and course materials for various classroom and other instructional environments. Delivers training in large group, small group and on-on-one environments. Possesses skills and knowledge in computer-based and multimedia training environments. Is intimately knowledgeable in the subject matter for which he/she is developing curriculum. Reviews data trends, customer satisfaction survey results, and quality scores to identify training needs and improve training curriculum. Collaborates with Contact Center operations staff for input and feedback on training material.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

7-1.12 Contact Center Data Analytics Specialist

General Summary

Responsible for defining, designing, configuring, implementing, and maintaining data analytics solutions that support the delivery of efficient, high quality contact center services and continuous improvements. Collaborates with contact center management, staff, and clients to analyze and understand program requirements, client goals, and end user experience and needs. Independently constructs analysis framework, using data mining and analytical skills to collect, organize, analyze and interpret data relating to customer interactions using a variety of data platforms. Develops dynamic dashboards and reports based on business needs. Captures, analyzes, and contextualizes data, translates the results and communicates findings and recommendations to appropriate stakeholders for improving customer service. Proficient in business analysis and data wrangling. Analyzes solution performance, utilization and trends to identify areas for improvement. Develops contact center solutions of low to medium complexity.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

7-1.13 Contact Center Information Systems Security Officer

General Summary

Responsible for protecting the contact center's information and information systems from unauthorized access, use, disclosure, disruption, modification, perusal, inspection, recording and destruction. Ensures compliance with government security and privacy protection regulations. Manages and enforces security strategies and policies. Areas of responsibilities include, but are not limited to, IT Security, Cyber Security, Privacy Protection, and Compliance and Risk Management. Manages security assessment processes in collaboration with internal contact center staff and client staff. Engages third party audit organizations (3PAO) to conduct independent security audits to obtain third party independent assessment results.

Job Specifications

Bachelor's Degree or other equivalent degree program, and twelve (12) years prior experience.

7-1.14 Contact Center IVR Engineer

General Summary

Responsible for defining, designing, configuring, implementing, and maintaining IVR solutions that efficiently provide callers with automated access to services and information or navigate them to live help for attended service. Collaborates with contact center management, staff, and clients to analyze and understand program requirements, client goals, and end user experience and needs. Recommends, designs, implements and continually improves contact center IVR applications using industry best practices to ensure positive customer experience. May utilize text-to-speech and speech recognition to provide callers with efficient, automated, high quality access to information and services. Analyzes IVR application performance, utilization and trends to identify areas for improvement. Develops contact center solutions of low to medium complexity.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

7-1.0 AUTOMATED CONTACT CENTER SOLUTIONS (SIN 561422) LABOR CATEGORIES

7-1.15 Contact Center Knowledge Base Content Analyst

General Summary

Responsible for developing and maintaining contact center knowledge base content used in supporting high quality automated and attended contact center services. Analyzes and updates existing knowledge base articles and creates new articles to ensure information in the knowledge base is accurate and timely to support consistent, high quality of service across all contact center channels. Reviews trends in knowledge base usage and customer satisfaction survey results to identify areas for content improvement. Is intimately knowledgeable in the subject matter for which he/she is developing content. Collaborates with clients and other functional teams to ensure the knowledge base is up to date.

Job Specifications

Bachelor's Degree or other equivalent degree program, and two (2) years prior experience.

7-1.16 Contact Center Knowledge Base Content Manager

General Summary

Responsible for developing and maintaining contact center knowledge base content used in supporting high quality automated and attended contact center services. Analyzes and updates existing knowledge base articles and creates new articles to ensure information in the knowledge base is accurate and timely to support consistent, high quality of service across all contact center channels. Reviews trends in knowledge base usage and customer satisfaction survey results to identify areas for content improvement. Provides oversight and management of knowledge base content work performed by other staff. Is intimately knowledgeable in the subject matter for which he/she is developing content. Collaborates with clients and other functional teams to ensure the knowledge base is up to date.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

7-1.17 Contact Center Operations Manager

General Summary

Responsible for planning, organizing, securing and managing resources to ensure successful contact center operations that meet contract performance requirements and deliver high quality customer service. Sources for, interviews, and hires skilled staff. Ensures sufficient staffing count to meet project performance expectations. Collects, analyzes, and summarizes contact center data and trends. Coordinates the development of project deliverables regarding contact center performance. Reviews data trends and customer satisfaction survey results to identify areas for process improvement. Coordinates with Contact Center team to develop and continually improve standard operating procedures. Participates in calibration meetings with both internal and client staff. Collaborates with contact center technical staff to recommend contact center solution improvements. Maintains top performance in program metrics associated with employee availability and contact center performance. Provides oversight and management of direct reports who support contact center operations in various functional areas. Administers performance reviews and tracks employee disciplinary actions. Interacts regularly with and maintains strong relationship with agency clients.

Job Specifications

Bachelor's Degree or other equivalent degree program, and five (5) years prior experience.

7-1.18 Contact Center Program Manager

General Summary

Responsible for directing the performance of a contact center program. Responsible for the effective management of funds and personnel, and is accountable for the quality and timely delivery of all contractual items. Operates within client guidance, contractual limitations, and Company business and policy directives. Serves as focal point-of-contact with client regarding program activities. Ensures that all required resources including staff, equipment, contact center solutions, and facilities are available for program implementation and ongoing operations. Manages, leads, directs and reviews the work of a team who exercise latitude and independence in their assignments. Collaborates with operational and technical support staff to continually identify and implement improvements that enhance customer service and customer experience.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience, with four plus (4+) years' experience supervising or leading teams or projects

7-1.19 Contact Center Quality Assurance Analyst

General Summary

Responsible for inspecting, measuring, and evaluating the accuracy and quality of services across all contact channels. Follows established process for evaluating the quality of contact center service delivery. Reviews and evaluates recorded customer interactions and conducts audits to ensure compliance with project standards. Participates in calibration meetings with both internal and client staff. Makes recommendations for improvement which may include but is not limited to additional staff training, knowledge base content modifications, and process improvements. Reviews trends in knowledge base usage and customer satisfaction survey results to identify areas for content improvement. May assist the Contact Center Training Manager in identifying and developing training material resulting from quality data analysis.

Job Specifications

Bachelor's Degree or other equivalent degree program, and two (2) years prior experience.

7-1.20 Contact Center Quality Assurance Manager

General Summary

Responsible for inspecting, measuring, and evaluating the accuracy and quality of services across all contact channels. Follows established process for evaluating the quality of contact center service delivery. Reviews and evaluates recorded customer interactions and conducts audits to ensure compliance with project standards. Participates in calibration meetings with both internal and client staff. Makes recommendations for improvement which may include but is not limited to additional staff training, knowledge base content modifications, and process improvements. Reviews trends in knowledge base usage and customer satisfaction survey results to identify areas for content improvement. May assist the Contact Center Training Manager in identifying and developing training material resulting from quality data analysis. Provides oversight and management of work performed by other contact center quality assurance staff.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

7-1.21 Contact Center Solutions Manager

General Summary

Responsible for management and oversight of technical contact center infrastructure, implementations, system integrations, maintenance, and continuous improvements. Areas of responsibility may include but not be limited to compute, storage, communications, and contact center solution platforms. Collaborates with contact center management, staff, and clients to analyze and understand program requirements, client goals, and end user experience and needs. Collaborates with technical staff and vendors to determine solutions and solution architecture that meets contract requirements and client mission objectives. Ensures that solutions and infrastructure are secure and licensing and warranty compliance is maintained. Sizes and coordinates purchase of contact center hardware and software. Evaluates contact center system and solution performance to identify and recommend improvements that support efficient, high quality customer service delivery.

Job Specifications

Bachelor's Degree or other equivalent degree program, and twelve (12) years prior experience.

7-1.22 Contact Center Solutions Specialist

General Summary

Responsible for defining, configuring, implementing, and maintaining both cloud-based and on-premise contact center solutions. Collaborates with contact center management, staff, and clients to analyze and understand program requirements, client goals, and end user experience and needs. Recommends, designs, implements, and continuously improves contact center solutions and capabilities that promote efficient, high quality customer service and customer experience. Areas of responsibility included but are not limited to Computer Telephony Integration, omni-channel integration, system integration, agent desktop optimization, work-at-home solutions, analytics, quality monitoring, and workforce optimization suites. Analyzes solution performance, utilization and trends to identify areas for improvement.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience.

7-1.23 Contact Center Subject Matter Expert

General Summary

Expert in single or multiple contact center technology disciplines. Provides expert guidance and insight into specific contact center technology solutions and their application. Collaborates with contact center management, staff, and clients to analyze and understand program requirements, client goals, and end user experience and needs. Independently performs a variety of requirements analysis, software design, development, integration, configuration, and troubleshooting tasks where specific contact center technology solution subject matter expertise is necessary. Leads the development of highly innovative contact center solutions. Responsible for highly complex technical/engineering areas.

Job Specifications

Master's Degree or other equivalent degree program, and fifteen (15) years prior experience.

7-1.0 AUTOMATED CONTACT CENTER SOLUTIONS (SIN 561422) LABOR CATEGORIES

7-1.24 Contact Center Team Leader

General Summary

Responsible for managing a team of Customer Service Representatives to ensure program standards are met. Manages productivity at the team and individual level using contact center operational metrics. Reviews recorded customer interactions to identify areas for individual and team performance improvement. May participate in calibration meetings with both internal and client staff. Provides coaching/feedback to Customer Service Representatives in conjunction with program quality standards. Coordinates subordinate training, conducts performance assessments, and delegates daily work assignments. Manages morale, provides recognition, and administers disciplinary action if needed.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

7-1.25 Contact Center Technology Project Manager

General Summary

Responsible for meeting with internal contact center program managers and clients to analyze and understand program requirements, client goals and future needs. Collaborates with Contact Center User Experience/Design Thinking Specialist to analyze end user experience and end user needs. Manages contact center modernization projects, working in conjunction with other contact center management and technology staff and vendors. Proactively suggests and delivers continuous improvements by analyzing existing business operations and identifying technical solutions that will improve contact center efficiency, performance and/or customer service.

Job Specifications

Bachelor's Degree or other equivalent degree program, and five (5) years prior experience, with two plus (2+) years' experience supervising or leading teams or projects

7-1.26 Contact Center Telecommunications Administrator

General Summary

Responsible for tasks relating to voice and data telecommunications. Duties may include installation, modifications, troubleshooting, repairs and maintenance as well as may act as a liaison with outside vendors. Coordinates with contact center program and other support staff to develop technical solutions while minimizing impact to operations. Investigates and recommends new contact center solutions to improve service. Develops contact center solutions of low to medium complexity.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience

7-1.27 Contact Center User Experience/Design Thinking Specialist

General Summary

Responsible for completing assignments in creative design and software engineering following a Design Thinking methodology that focuses on user needs and user experience. Employs Design Thinking to uncover and understand user needs and shape creative, effective solutions. Analyzes internal contact center and external end user needs and guides application interface design for optimal user experience. Leverages a creative design-first approach to design concepts and carries out development of non-functional prototypes of those concepts. Works with contact center technical and operational staff define functional specifications and execute development plans. Develops contact center solutions of low to medium complexity.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience

7-1.28 Contact Center Workforce Management Analyst

General Summary

Responsible for ensuring appropriate contact center Customer Service Representative staffing needed to respond to attended service inquiries. Performs workforce planning to support contact center operations and meet contract performance requirements. Provides volume and staffing forecasts for all contact channels. Manages occupancy and utilization. Manages schedule adherence. Develops Customer Service Representative work schedules and manages time off requests and shift adjustments. Makes real-time staffing adjustments based on contact volumes.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience

7-1.29 Sr. Contact Center Application Programmer/Analyst

General Summary

Responsible for defining, designing, configuring, implementing, and maintaining technical solutions that support the efficient and accurate delivery of high quality contact center services. Collaborates with contact center management, staff, and clients to analyze and understand program requirements, client goals, and end user experience and needs. Delivers and continually improves solutions that support one or more contact center channels including but not limited to email, web chat, social media, web self-service, and mobile applications. Analyzes solution performance, utilization and trends to identify areas for improvement. May coach and review work of technical staff with less experience. Develops contact center solutions of medium to high complexity.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience

7-1.30 Sr. Contact Center Artificial Intelligence Engineer

General Summary

Responsible for defining, designing, configuring, implementing, and maintaining artificial intelligence solutions that efficiently and accurately deliver or support the efficient delivery of high quality contact center services. Collaborates with contact center management and clients to analyze and understand program requirements, client goals and future needs. Collaborates with contact center management, staff, and clients to analyze and understand program requirements, client goals, and end user experience and needs. Recommends, designs, implements, monitors, and continually improves contact center solutions that are artificial intelligence-based including but not limited to chatbots and virtual assistants. May utilize machine learning and robotic process automation to develop contact center solutions that deliver improved efficiencies and customer experience. Analyzes solution performance, utilization and trends to identify areas for improvement. May coach and review work of technical staff with less experience. Develops contact center solutions of medium to high complexity.

Job Specifications

Bachelor's Degree or other equivalent degree program, and twelve (12) years prior experience

7-1.31 Sr. Contact Center Customer Relationship Management (CRM) Developer

General Summary

Responsible for defining, designing, configuring, implementing, and maintaining Customer Relationship Management solutions that efficiently and accurately deliver or support the efficient delivery of high quality contact center services. Collaborates with contact center management, staff, and clients to analyze and understand program requirements, client goals, and end user experience and needs. Recommends, designs, configures, and implements enhancements to Customer Relationship Management solutions that promote efficient customer service and continually improve customer experience. Analyzes solution performance, utilization and trends to identify areas for improvement. May coach and review work of technical staff with less experience. Develops contact center solutions of medium to high complexity.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience

7-1.32 Sr. Contact Center Data Analytics Specialist

General Summary

Responsible for defining, designing, configuring, implementing, and maintaining data analytics solutions that support the delivery of efficient, high quality contact center services and continuous improvements. Collaborates with contact center management, staff, and clients to analyze and understand program requirements, client goals, and end user experience and needs. Independently constructs analysis framework, using data mining and analytical skills to collect, organize, analyze and interpret data relating to customer interactions using a variety of data platforms. Develops dynamic dashboards and reports based on business needs. Captures, analyzes, and contextualizes data, translates the results and communicates findings and recommendations to appropriate stakeholders for improving customer service. Proficient in business analysis and data wrangling. Analyzes solution performance, utilization and trends to identify areas for improvement. May coach and review work of technical staff with less experience. Develops contact center solutions of medium to high complexity.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience

7-1.33 Sr. Contact Center IVR Engineer

General Summary

Responsible for defining, designing, configuring, implementing, and maintaining IVR solutions that efficiently provide callers with automated access to services and information or navigate them to live help for attended service. Collaborates with contact center management, staff, and clients to analyze and understand program requirements, client goals, and end user experience and needs. Recommends, designs, implements and continually improves contact center IVR applications using industry best practices to ensure positive customer experience. May utilize text-to-speech and speech recognition to provide callers with efficient, automated, high quality access to information and services. Analyzes IVR application performance, utilization and trends to identify areas for improvement. May coach and review work of technical staff with less experience. Develops contact center solutions of medium to high complexity.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience

7-1.34 Sr. Contact Center Telecommunications Administrator

General Summary

Responsible for tasks relating to voice and data telecommunications. Duties may include installation, modifications, troubleshooting, repairs and maintenance as well as may act as a liaison with outside vendors. Coordinates with contact center program and other support staff to develop technical solutions while minimizing impact to operations. Investigates and recommends new contact center solutions to improve service. May coach and review work of technical staff with less experience. Develops contact center solutions of medium to high complexity.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience

7-1.0 AUTOMATED CONTACT CENTER SOLUTIONS (SIN 561422) LABOR CATEGORIES

7-1.35 Sr. Contact Center User Experience/Design Thinking Specialist

General Summary

Responsible for completing assignments in creative design and software engineering following a Design Thinking methodology that focuses on user needs and user experience. Employs Design Thinking to uncover and understand user needs and shape creative, effective solutions. Analyzes internal contact center and external end user needs and guides application interface design for optimal user experience. Leverages a creative design-first approach to design concepts and carries out development of non-functional prototypes of those concepts. Works with contact center technical and operational staff define functional specifications and execute development plans. May coach and review work of technical staff with less experience. Develops contact center solutions of medium to high complexity.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience

7-2.0 AUTOMATED CONTACT CENTER SOLUTIONS (ACCS) (SIN 561422) PRICE LIST

7-2.1 Leidos/On-Site Rates, Contract Years 7 through 10

All Rates Include GSA IFF (.75%)

SIN 561422 AUTOMATED CONTACT CENTER SOLUTIONS (ACCS) PRICE LIST

GS -35F-116AA	Contract Year 7	Contract Year 8	Contract Year 9	Contract Year 10
LEIDOS CONTRACTOR / ON-SITE RATES All Rates Include GSA IFF (.75%)	12/13/2018 through 12/12/2019	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
Contact Center Administrative Assistant	\$78.00	\$80.34	\$82.75	\$84.65
Contact Center Application Programmer/Analyst	\$93.85	\$96.67	\$99.57	\$101.86
Contact Center Artificial Intelligence Engineer	\$150.42	\$154.93	\$159.58	\$163.25
Contact Center Customer Relationship Management (CRM) Developer	\$116.31	\$119.80	\$123.40	\$126.23
Contact Center Customer Service Representative I	\$39.80	\$41.00	\$42.23	\$43.20
Contact Center Customer Service Representative I – Bilingual	\$43.78	\$45.09	\$46.44	\$47.51
Contact Center Customer Service Representative II	\$52.15	\$53.71	\$55.32	\$56.59
Contact Center Customer Service Representative II – Bilingual	\$57.36	\$59.08	\$60.85	\$62.25
Contact Center Customer Service Representative III	\$79.01	\$81.38	\$83.82	\$85.74
Contact Center Customer Service Representative III – Bilingual	\$86.91	\$89.52	\$92.20	\$94.32
Contact Center Training Manager	\$96.81	\$99.72	\$102.71	\$105.07
Contact Center Data Analytics Specialist	\$115.09	\$118.54	\$122.10	\$124.90
Contact Center Information Systems Security Officer	\$185.51	\$191.08	\$196.81	\$201.33
Contact Center IVR Engineer	\$116.31	\$119.80	\$123.40	\$126.23
Contact Center Knowledge Base Content Analyst	\$94.77	\$97.61	\$100.54	\$102.85
Contact Center Knowledge Base Content Manager	\$116.31	\$119.80	\$123.40	\$126.23
Contact Center Operations Manager	\$135.60	\$139.67	\$143.86	\$147.17
Contact Center Program Manager	\$180.57	\$185.99	\$191.57	\$195.97
Contact Center Quality Assurance Analyst	\$94.77	\$97.61	\$100.54	\$102.85

7-2.0 AUTOMATED CONTACT CENTER SOLUTIONS (ACCS) (SIN 561422) PRICE LIST

Contact Center Quality Assurance Manager	\$116.31	\$119.80	\$123.40	\$126.23
Contact Center Solutions Manager	\$185.51	\$191.08	\$196.81	\$201.33
Contact Center Solutions Specialist	\$147.32	\$151.73	\$156.29	\$159.88
Contact Center Subject Matter Expert	\$240.95	\$248.18	\$255.62	\$261.50
Contact Center Team Leader	\$133.36	\$137.36	\$141.49	\$144.74
Contact Center Technology Project Manager	\$147.32	\$151.73	\$156.29	\$159.88
Contact Center Telecommunications Administrator	\$115.09	\$118.54	\$122.10	\$124.90
Contact Center User Experience/ Design Thinking Specialist	\$115.09	\$118.54	\$122.10	\$124.90
Contact Center Workforce Management Analyst	\$103.19	\$106.28	\$109.47	\$111.99
Sr. Contact Center Application Programmer/Analyst	\$115.09	\$118.54	\$122.10	\$124.90
Sr. Contact Center Artificial Intelligence Engineer	\$193.46	\$199.27	\$205.24	\$209.97
Sr. Contact Center Customer Relationship Management (CRM) Developer	\$150.42	\$154.93	\$159.58	\$163.25
Sr. Contact Center Data Analytics Specialist	\$147.32	\$151.73	\$156.29	\$159.88
Sr. Contact Center IVR Engineer	\$150.42	\$154.93	\$159.58	\$163.25
Sr. Contact Center Telecommunications Administrator	\$147.32	\$151.73	\$156.29	\$159.88
Sr. Contact Center User Experience/Design Thinking Specialist	\$147.32	\$151.73	\$156.29	\$159.88

7-2.2 Government Site Rates, Contract Years 7 through 10

All Rates Include GSA IFF (.75%)

SIN 561422 AUTOMATED CONTACT CENTER SOLUTIONS (ACCS) PRICE LIST

GS -35F-116AA	Contract Year 7	Contract Year 8	Contract Year 9	Contract Year 10
GOVERNMENT SITE RATES All Rates Include GSA IFF (.75%)	12/13/2018 through 12/12/2019	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
Contact Center Administrative Assistant	\$67.05	\$69.06	\$71.13	\$72.76
Contact Center Application Programmer/Analyst	\$80.67	\$83.09	\$85.59	\$87.56
Contact Center Artificial Intelligence Engineer	\$129.30	\$133.18	\$137.17	\$140.33
Contact Center Customer Relationship Management (CRM) Developer	\$99.98	\$102.98	\$106.07	\$108.51

7-2.0 AUTOMATED CONTACT CENTER SOLUTIONS (ACCS) (SIN 561422) PRICE LIST

Contact Center Customer Service Representative I	\$34.21	\$35.23	\$36.29	\$37.12
Contact Center Customer Service Representative I – Bilingual	\$37.63	\$38.76	\$39.92	\$40.84
Contact Center Customer Service Representative II	\$44.82	\$46.17	\$47.55	\$48.65
Contact Center Customer Service Representative II – Bilingual	\$49.31	\$50.79	\$52.31	\$53.52
Contact Center Customer Service Representative III	\$67.91	\$69.95	\$72.05	\$73.71
Contact Center Customer Service Representative III – Bilingual	\$74.71	\$76.95	\$79.26	\$81.08
Contact Center Training Manager	\$83.22	\$85.72	\$88.29	\$90.32
Contact Center Data Analytics Specialist	\$98.93	\$101.90	\$104.95	\$107.37
Contact Center Information Systems Security Officer	\$159.46	\$164.25	\$169.17	\$173.06
Contact Center IVR Engineer	\$99.98	\$102.98	\$106.07	\$108.51
Contact Center Knowledge Base Content Analyst	\$81.46	\$83.91	\$86.42	\$88.41
Contact Center Knowledge Base Content Manager	\$99.98	\$102.98	\$106.07	\$108.51
Contact Center Operations Manager	\$116.56	\$120.06	\$123.66	\$126.50
Contact Center Program Manager	\$155.21	\$159.87	\$164.67	\$168.45
Contact Center Quality Assurance Analyst	\$81.46	\$83.91	\$86.42	\$88.41
Contact Center Quality Assurance Manager	\$99.98	\$102.98	\$106.07	\$108.51
Contact Center Solutions Manager	\$159.46	\$164.25	\$169.17	\$173.06
Contact Center Solutions Specialist	\$126.63	\$130.43	\$134.34	\$137.43
Contact Center Subject Matter Expert	\$207.12	\$213.33	\$219.73	\$224.79
Contact Center Team Leader	\$114.64	\$118.08	\$121.62	\$124.42
Contact Center Technology Project Manager	\$126.63	\$130.43	\$134.34	\$137.43
Contact Center Telecommunications Administrator	\$98.93	\$101.90	\$104.95	\$107.37
Contact Center User Experience/ Design Thinking Specialist	\$98.93	\$101.90	\$104.95	\$107.37
Contact Center Workforce Management Analyst	\$88.70	\$91.36	\$94.10	\$96.27
Sr. Contact Center Application Programmer/Analyst	\$98.93	\$101.90	\$104.95	\$107.37
Sr. Contact Center Artificial Intelligence Engineer	\$166.30	\$171.28	\$176.42	\$180.48
Sr. Contact Center Customer Relationship Management (CRM) Developer	\$129.30	\$133.18	\$137.17	\$140.33
Sr. Contact Center Data Analytics Specialist	\$126.63	\$130.43	\$134.34	\$137.43

7-2.0 AUTOMATED CONTACT CENTER SOLUTIONS (ACCS) (SIN 561422) PRICE LIST

Sr. Contact Center IVR Engineer	\$129.30	\$133.18	\$137.17	\$140.33
Sr. Contact Center Telecommunications Administrator	\$126.63	\$130.43	\$134.34	\$137.43
Sr. Contact Center User Experience/Design Thinking Specialist	\$126.63	\$130.43	\$134.34	\$137.43

8.0 TERMS AND CONDITIONS APPLICABLE TO SOFTWARE LICENSES (Special Item Number 511210)

8.1 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.

8.2 DEFINITIONS

Term Licenses

The word "Term" is defined in this Solicitation as "a limited period of time". Term Software Licenses have a limited duration and are not owned in perpetuity. Unless Offerors provide an option for converting Term licenses into perpetual licenses, users lose the right to use these licenses upon the end of the term period. This SIN is NOT Infrastructure as a Service (IaaS), Platform as a Service (PaaS), or Software as a Service (SaaS) as defined in SIN 518210C - Cloud and Cloud-Related IT Professional Services. Term Software Licenses are distinct from Electronic Commerce and Subscription Services (SIN 54151ECOM).

Perpetual Licenses

The word "perpetual" is defined in this Solicitation as "continuing forever, everlasting, valid for all time".

8.3 SOFTWARE MAINTENANCE

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

(1) _____ Software Maintenance as a Product (SIN 511210)

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 is 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 is billed at the time of purchase.

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.

(2) _____ Software Maintenance as a Service (SIN 54151)

8.0 TERMS AND CONDITIONS APPLICABLE TO SOFTWARE LICENSES (Special Item Number 511210)

Software maintenance as a service creates, designs, implements, and/or integrates customized changes to software that solve one or more problems and is not included with the price of the software. Software maintenance as a service includes person-to-person communications regardless of the medium used to communicate: telephone support, on-line technical support, customized support, and/or technical expertise which are charged commercially.

Software maintenance as a service is billed arrears in accordance with 31U.S.C. 3324.

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.

8.4 PERIODS OF SOFTWARE LICENSES (SIN 511210)

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.

****The phrase, "Term Licenses and/or Maintenance" in the preceding paragraphs may need to be revised in order to be consistent with the Offeror's proposal; e.g., if only software maintenance is offered, all references to "term licenses" should be deleted from the preceding paragraphs.****

8.5 CONVERSION FROM TERM LICENSE TO PERPETUAL LICENSE

a. The ordering activity may convert term licenses to perpetual licenses for any or all software following acceptance of software. At the request of the ordering activity the Contractor shall furnish, within ten (10) calendar days after placing the order, for each software product that is contemplated for conversion, the total amount of conversion credits which have accrued while the software was on a term license and the date of the last update or enhancement.

b. Conversion credits which are provided shall, within the limits specified, continue to accrue from one contract period to the next, provided the software remains on a term license within the ordering activity.

8.0 TERMS AND CONDITIONS APPLICABLE TO SOFTWARE LICENSES (Special Item Number 511210)

c. The term license for each software product shall be discontinued on the day immediately preceding the effective date of conversion from a term license to a perpetual license.

d. The price the ordering activity shall pay will be the perpetual license price that prevailed at the time such software was initially ordered under a term license, or the perpetual license price prevailing at the time of conversion from a term license to a perpetual license, whichever is the less, minus an amount equal to a percentage of all term license payments during the period that the software was under a term license within the ordering activity.

8.6 TERM LICENSE CESSATION

a. After a software product has been on a continuous term license for a period of * months, a fully paid-up, non-exclusive, perpetual license for the software product shall automatically accrue to the ordering activity. The period of continuous term license for automatic accrual of a fully paid-up perpetual license does not have to be achieved during a particular fiscal year; it is a written Contractor commitment which continues to be available for software that is initially ordered under this contract, until a fully paid-up perpetual license accrues to the ordering activity. However, should the term license of the software be discontinued before the specified period of the continuous term license has been satisfied, the perpetual license accrual shall be forfeited.

****Each separately priced software product shall be individually enumerated, if different accrual periods apply for the purpose of perpetual license attainment.****

b. The Contractor agrees to provide updates and maintenance service for the software after a perpetual license has accrued, at the prices and terms of Special Item Number 54151-Software Maintenance Services, if the licensee elects to order such services. Title to the software shall remain with the Contractor.

8.7 UTILIZATION LIMITATIONS - (SIN 511210, AND SIN 54151)

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.

8.0 TERMS AND CONDITIONS APPLICABLE TO SOFTWARE LICENSES (Special Item Number 511210)

(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.

(6) Licensee Data belongs exclusively to Licensee, regardless of where the Data may reside at any moment in time including, but not limited to Licensor hardware, networks or other infrastructure and facilities where Data may reside, transit through or be stored from time to time. Licensor makes no claim to a right of ownership in Licensee Data. Licensor agrees to keep the Licensee Data Confidential as that term is defined in the relevant FAR and DFARS provisions pertaining to Confidential Information and Confidentiality. Licensor is not permitted to use Licensee's data for a purpose that is not explicitly granted in writing by Licensee. Upon Licensee request, for any reason whatsoever, Licensor must promptly return all Licensee Data in Licensor's possession in a format as may be designated at the time of request by Licensee.

(7) Licensee may create or hire others (including Licensor) to create modifications, customizations or other enhancements to the Software which might be classified as "Derivative Works" of the software. Unless otherwise negotiated and mutually agreed upon at the order level, the intellectual property (IP) rights to the Derivative Works shall be owned by the owner of the underlying intellectual property. The Derivative Work[s] shall be made available To the Licensee through a royalty free, perpetual worldwide, no charge license to the Licensee.

8.8 UTILIZATION LIMITATIONS FOR PERPETUAL LICENSES

a) Software Asset Identification Tags (SWID) (Option 1 Perpetual License)

8.0 TERMS AND CONDITIONS APPLICABLE TO SOFTWARE LICENSES (Special Item Number 511210)

(1) Option 1 is applicable when the Offeror agrees to include the International Organization for Standardization/International Electrotechnical Commission 19770-2 (ISO/IEC 19770- 2:2015) standard identification tag (SWID Tag) as an embedded element in the software. An ISO/IEC 19770-2 tag is a discoverable identification element in software that provides licensees enhanced asset visibility. Enhance visibility supports both the goals of better software asset management and license compliance. Offerors may use the National Institute of Standards and Technology (NIST) document “NISTIR 8060: Guidelines for Creation of Interoperable Software Identification (SWID) Tags,” December 2015 to determine if they are in compliance with the ISO/IEC 19770-2 standard.

(2) Section 837 of The Federal Information Technology Acquisition Reform Act (FITARA) of 2014, requires GSA to seek agreements with software vendors that enhance government- wide acquisition, shared use, and dissemination of software, as well as compliance with end user license agreements. The Megabyte Act of 2016 requires agencies to inventory software assets and to make informed decisions prior to new software acquisitions. In June of 2016, the Office of Management and Budget issued guidance on software asset management requiring each CFO Act (Public Law 101-576 – 11/15/1990) agency to begin software inventory management (M-16-12). To support these requirements, Offerors may elect to include the terms of Option 1 and/or Option 2, which support software asset management and government-wide reallocation or transferability of perpetually licensed software.

b) Reallocation of Perpetual Software (Option 2 Perpetual License)

(1) The purpose of SIN 511210 OPTION 2 is to allow ordering activities to transfer software assets for a pre-negotiated charge to other ordering activities.

(2) When an ordering activity becomes aware that a reusable software asset may be available for transfer, it shall contact the Contractor, identify the software license or licenses in question, and request that these licenses be reallocated or otherwise made available to the new ordering activity.

(3) Contractors shall release the original ordering activity from all future obligations under the original license agreement and shall present the new ordering activity with an equivalent license agreement. When the new ordering activity agrees to the license terms, henceforth any subsequent infringement or breach of licensing obligations by the new ordering activity shall be a matter exclusively between the new ordering activity and the Contractor.

(4) The original ordering activity shall de-install, and/or make unusable all of the software assets that are to be transferred. It shall have no continuing right to use the software and any usage shall be considered a breach of the Contractor’s intellectual property and a matter of dispute between the original ordering activity/original license grantee and the licensor.

(5) As a matter of convenience, once the original licenses are deactivated, di-installed, or made otherwise unusable by the original ordering activity or license grantee, the Contractor may elect to issue new licenses to the new ordering activity to replace the old licenses. When new licenses are not issued, the Contractor shall provide technical advice on how best to achieve the functional transfer of the software assets.

8.0 TERMS AND CONDITIONS APPLICABLE TO SOFTWARE LICENSES (Special Item Number 511210)

(6) Software assets that are eligible for transfer that have lapsed Software Maintenance Services (SIN 54151) may require a maintenance reinstatement fee, chargeable to the new ordering activity or license grantee. When such a fee is paid, the new ordering activity shall receive all the rights and benefits of Software Maintenance Services.

(7) When software assets are eligible for transfer, and are fully covered under pre-paid Software Maintenance Services (SIN 54151), the new ordering activity shall not be required to pay maintenance for those license assets prior to the natural termination of the paid for maintenance period. The rights associated with paid for current Software Maintenance Services shall automatically transfer with the software licenses without fee. When the maintenance period expires, the new ordering activity or license grantee shall have the option to renew maintenance.

(8) The administrative fee to support the transfer of licenses, exclusive of any new incremental licensing or maintenance costs shall be _____ percentage (%) of the original license fee. The fee shall be paid only at the time of transfer. In applying the transfer fee, the Software Contractor shall provide transactional data that supports the original costs of the licenses.

(9) Fill-in data and specific terms shall be attached to the GSA Price List (I-FSS-600 CONTRACT PRICE LISTS (OCT 2016)).

8.9 SOFTWARE CONVERSIONS - (SIN 511210)

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 (511210), 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 (511210), 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.

8.10 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.

8.11 RIGHT-TO-COPY PRICING

The Contractor shall insert the discounted pricing for right-to-copy licenses.

9.0 TERMS AND CONDITIONS APPLICABLE TO PURCHASE OF CLOUD COMPUTING PRODUCTS AND CLOUD RELATED IT PROFESSIONAL SERVICES (SIN 518210C)

9.1 INFORMATION PERTAINING TO CLOUD RELATED IT PROFESSIONAL SERVICES

NOTE: Offerors may offer Cloud Services (i.e. IaaS, etc.) exclusively; it is not a requirement to also offer Cloud Related IT Professional Services. Similarly, offerors of Cloud Related IT Professional Services are not required to also offer Cloud Services (i.e. IaaS, etc.). Offerors who have capabilities in both Cloud Services (i.e. IaaS, etc.) and Cloud Related IT Professional Services may offer both, under this SIN.

NOTE: ****Labor categories under Special Item Number 54151S "Information Technology Professional Services may remain under SIN 54151S, unless they are specific to the Cloud Computing Products and IT Professional Services 518210C. Labor specific to Cloud Computing should be positioned by Contractors under SIN 518210C in order for Contractors to have the opportunity to bid on requests for quotes that are generated exclusively under the Cloud SIN. Offerors may offer Cloud IT Professional Services exclusively; it is not a requirement to also offer Cloud Services (i.e. IaaS).

9.2 SCOPE OF 518210C Cloud Related IT Professional Services

Cloud Services (i.e. SaaS, etc.) includes commercially available cloud computing services such as I Platform as a Service (PaaS), and Software as a Service (SaaS) and emerging cloud services. The SIN is open to all deployment models (private, public, community hybrid). Cloud computing services shall comply with National Institute of Standards and Technology (NIST) definitions and principles. Cloud capabilities provided shall be entirely as a "pay as you go" service.

Cloud-Related IT Professional Services, which are not subject to NIST standards, are related to assessing cloud solutions, preparing for cloud solutions, refactoring workloads for cloud solutions, migrating legacy or other systems to cloud solutions, developing new applications in the cloud, and providing management and/or governance of cloud solutions.

This SIN provides access to Cloud (i.e. SaaS, etc.) technical services that run in cloud environments and meet the NIST Definition of Cloud Computing Essential Characteristics. Cloud Services [(i.e. SaaS, etc.)] relating to or impinging on cloud that do not meet all NIST essential characteristics should be listed in other SINs.

(For example: Software subscription services or Software as a Service offerings that do not meet the essential "measured service" requirement may meet the definition of "Term Licenses" under SIN 511210 – Software Licenses)

The SIN is limited to cloud capabilities provided entirely as a "pay as you go" service and cloud-related IT professional services. Hardware, software and other artifacts acquired to support the physical construction of a private or other cloud are out of scope for this SIN.

Cloud-type IT Professional Services can stay on SIN 54151S - Information Technology

9.0 TERMS AND CONDITIONS APPLICABLE TO PURCHASE OF CLOUD COMPUTING PRODUCTS AND CLOUD RELATED IT PROFESSIONAL SERVICES (SIN 518210C)

Professional Services. The Cloud IT professional services on this SIN will be Cloud specific as the service titles and description will need to be cloud-centric. The relevant past performance projects must demonstrate that the IT professional services were utilized in the IAAS, PAAS and/ or SAAS environment. NOTE: Identical labor categories cannot be on both SINs 54151S and 518210C.

Sub-categories in scope for this SIN are the three NIST Service Models: Software as a Service (SaaS), Platform as a Service (PaaS), and Infrastructure as a Service (IaaS). Offerors may optionally select a single sub-category that best fits a proposed cloud service offering. Only one sub-category may be selected per each proposed cloud service offering. Offerors may elect to submit multiple cloud service offerings, each with its own single sub-category. The selection of one of three sub-categories does not prevent Offerors from competing for orders under the other two sub-categories.

Sub-category selection within this SIN is optional for any individual cloud service offering, and new cloud computing service (i.e. IaaS, etc.) technologies that do not align with the aforementioned three sub-categories may be included without a sub-category selection so long as they comply with the essential characteristics of cloud computing as outlined by NIST.

9.3 ACCEPTANCE TESTING

Acceptance testing shall be performed of the systems for ordering activity

9.4 TRAINING

(a) If training is provided in accordance with standard commercial practices, the offeror shall provide normal commercial installation, operation, maintenance, and engineering interface training on the system.

(b) If there are separate training charges, it should be included in the GSA Price List (I-FSS-600 CONTRACT PRICE LISTS (OCT 2016)).

9.5 REPORTING

The Contractor shall provide to the ordering activity any general reporting capabilities available to verify performance, cost and availability. In accordance with commercial standard practice, the offeror may furnish the ordering activity with a monthly summary report.

9.6 INFORMATION ASSURANCE/SECURITY REQUIREMENTS

The Contractor shall meet information assurance/security requirements in accordance with the Ordering Activity requirements.

9.7 PRICING

All current pricing requirements in provision SCP-FSS-001 apply. At the current time, there is no provision for reducing or eliminating standard price list posting requirements to accommodate rapid cloud price fluctuations.

All pricing models must have the core capability to meet the NIST Essential Cloud Characteristics, particularly with respect to on-demand self-service, while allowing alternate variations at the task order level at agency discretion, pursuant to the guidance on NIST Essential Characteristics.

9.0 TERMS AND CONDITIONS APPLICABLE TO PURCHASE OF CLOUD COMPUTING PRODUCTS AND CLOUD RELATED IT PROFESSIONAL SERVICES (SIN 518210C)

**9-1.0 CLOUD COMPUTING IT PROFESSIONAL SERVICES (SIN
518210C)
LABOR CATEGORIES**

9-1.1 Cloud Administrative Specialist I

General Summary

Gathers, collects, records, tracks, analyzes, and verifies data and information to compile and generate reports, statistics, timelines, tables, graphs, correspondence and presentations related to cloud activities and programs. Lead all administrative support functions, including organizing documents, meeting follow up and preparation, space planning, meeting agendas, org charts. Responsible for developing day-to-day schedule and prioritization of activities, and resolving scheduling conflicts.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.2 Cloud Administrative Specialist II

General Summary

Gathers, collects, records, tracks, analyzes, and verifies data and information to compile and generate reports, statistics, timelines, tables, graphs, correspondence and presentations related to cloud activities and programs. Lead all administrative support functions, including organizing documents, meeting follow up and preparation, space planning, meeting agendas, org charts. Responsible for developing day-to-day schedule and prioritization of activities, and resolving scheduling conflicts. Streamline inbound/outbound communications; maximizing productivity and ensuring all cloud work order requests are addressed.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience.

9-1.3 Cloud Administrative Specialist III

General Summary

Gathers, collects, records, tracks, analyzes, and verifies data and information to compile and generate reports, statistics, timelines, tables, graphs, correspondence and presentations related to cloud activities and programs. Lead all administrative support functions, including organizing documents, meeting follow up and preparation, space planning, meeting agendas, org charts. Responsible for developing day-to-day schedule and prioritization of activities, and resolving scheduling conflicts. Streamline inbound/outbound communications; maximizing productivity and ensuring all cloud work order requests are addressed. Track and help drive completion of key deliverables and follow-up on outstanding items.

Job Specifications

Bachelor's Degree or other equivalent degree program, and twelve (12) years prior experience.

9-1.4 Cloud Administrator I

General Summary

Maintains smooth operation of different cloud-based systems. Sets up administrator and service accounts, maintains system documentation for cloud infrastructure and tenant inventory, installs system wide software and allocates mass storage space. Respond to large-scale events involving instantiation of virtual resources such VMs and storage. Fix critical software and system failures.

Job Specifications

Bachelor's Degree or other equivalent degree program.

9-1.5 Cloud Administrator II

General Summary

Maintains smooth operation of different cloud-based systems, including coordination with network administrators. Sets up administrator and service accounts, maintains system documentation for cloud infrastructure and tenant inventory, tunes system performance, installs system wide software and allocates mass storage space. Respond to large-scale events involving instantiation of virtual resources such VMs and storage. Fix critical software and system failures. Propose, drive and implement technical solutions for automation, efficiency and scalability.

Job Specifications

Bachelor's Degree or other equivalent degree program, and two (2) years prior experience.

9-1.6 Cloud Administrator III

General Summary

Maintains smooth operation of different cloud-based systems, including coordination with network administrators. Sets up administrator and service accounts, maintains system documentation for cloud infrastructure and tenant inventory, tunes system performance, installs system wide software and allocates mass storage space. Respond to large-scale events involving instantiation of virtual resources such VMs and storage. Fix critical software and system failures. Propose, drive and implement technical solutions for automation, efficiency and scalability. Develop/improve tools, reports, and processes to monitor the health of cloud environment.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.7 Cloud Administrator IV

General Summary

Maintains smooth operation of multi-user computer systems, including coordination with network administrators. Sets up administrator and service accounts, maintains system documentation for cloud infrastructure and tenant inventory, tunes system performance, installs system wide software and allocates mass storage space. Respond to large-scale events involving instantiation of virtual resources such VMs and storage. Fix critical software and

9-1.0 CLOUD COMPUTING IT PROFESSIONAL SERVICES (SIN 518210C) LABOR CATEGORIES

system failures. Propose, drive and implement technical solutions for automation, efficiency and scalability. Develop/improve tools, reports, and processes to monitor the health of cloud environment. Provide updates to operating system releases, updates, announcements, bugs, and fixes.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience.

9-1.8 Cloud Architect I

General Summary

Responsible for new cloud architecture design, development and integration of new architectural features into existing cloud infrastructures while maintaining the integrity and security of enterprise-wide cyber systems and networks. Lead multi-disciplined teams in the design and implementation of the cybersecurity system architecture. Able to apply cyber security standards, directives, guidance and policies to a cloud architectural framework. Compile industry best practices and lessons learned into future iterations and new designs for the cloud hosting environment. Some experience in the systems engineering lifecycle and specific cyber security initiatives relating to cloud design and development.

Job Specifications

Bachelor's Degree or other equivalent degree program, and two (2) years prior experience.

9-1.9 Cloud Architect II

General Summary

Responsible for new cloud architecture design, development and integration of new architectural features into existing cloud infrastructures while maintaining the integrity and security of enterprise-wide cyber systems and networks. Lead multi-disciplined teams in the design and implementation of the cybersecurity system architecture. Able to apply cyber security standards, directives, guidance and policies to a cloud architectural framework. Compile industry best practices and lessons learned into future iterations and new designs for the cloud hosting environment. Provide broad based experience in the systems engineering lifecycle and specific cyber security initiatives relating to cloud architectural design and development.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.10 Cloud Architect III

General Summary

Responsible for new cloud architecture design, development and integration of new architectural features into existing cloud infrastructures while maintaining the integrity and security of enterprise-wide cyber systems and networks. Lead multi-disciplined teams in the design and implementation of the cybersecurity system architecture. Able to apply cyber security standards, directives, guidance and policies to a cloud architectural framework. Compile industry best practices and lessons learned into future iterations and new designs for the cloud hosting environment. Provide broad based experience in the systems engineering lifecycle and specific cyber security initiatives relating to cloud architectural design and

**9-1.0 CLOUD COMPUTING IT PROFESSIONAL SERVICES (SIN 518210C)
LABOR CATEGORIES**

development. Resolve cloud architecture implementation issues during integration and test. Interface with internal and external entities for various solution related activities.

Job Specifications

Bachelor's Degree or other equivalent degree program, and six (6) years prior experience.

9-1.11 Cloud Architect IV

General Summary

Responsible for new cloud architecture design, development and integration of new architectural features into existing cloud infrastructures while maintaining the integrity and security of enterprise-wide cyber systems and networks. Lead multi-disciplined teams in the design and implementation of the cybersecurity system architecture. Able to apply cyber security standards, directives, guidance and policies to a cloud architectural framework. Compile industry best practices and lessons learned into future iterations and new designs for the cloud hosting environment. Provide broad based experience in the systems engineering lifecycle and specific cyber security initiatives relating to cloud architectural design and development. Resolve cloud architecture implementation issues during integration and test. Interface with internal and external entities for various solution related activities. Ability to develop and deliver end--to-end, complex, enterprise level solutions that meet current and future capability requirements.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience.

9-1.12 Cloud Architect V

General Summary

Responsible for new cloud architecture design, development and integration of new architectural features into existing cloud infrastructures while maintaining the integrity and security of enterprise-wide cyber systems and networks. Lead multi-disciplined teams in the design and implementation of the cybersecurity system architecture. Able to apply cyber security standards, directives, guidance and policies to a cloud architectural framework. Compile industry best practices and lessons learned into future iterations and new designs for the cloud hosting environment. Provide broad based experience in the systems engineering lifecycle and specific cyber security initiatives relating to cloud architectural design and development. Resolve cloud architecture implementation issues during integration and test. Interface with internal and external entities for various solution related activities. Ability to develop and deliver end--to-end, complex, enterprise level solutions that meet current and future capability requirements. Design integrated and streamlined streamlining solutions for multiple customers undertaking that provide technical and cost benefits through scaling and other attributes.

Job Specifications

Bachelor's Degree or other equivalent degree program, and ten (10) years prior experience.

9-1.13 Cloud Application Tester I

General Summary

Performs activities related to cloud systems verification and validation - functional test, timeline analysis, detail trade studies, requirements allocation and interface definition studies for hardware and software specifications. Utilize trends and metrics to identify opportunities for improvements within existing frameworks, tools and processes.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.14 Cloud Application Tester II

General Summary

Performs activities related to cloud systems verification and validation - functional test, timeline analysis, detail trade studies, requirements allocation and interface definition studies for hardware and software specifications. Utilize trends and metrics to identify opportunities for improvements within existing frameworks, tools and processes. Responsible for systems functionality, performance, and configurations issues.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience.

9-1.15 Cloud Network Engineer I

General Summary

Supports the operation of the cloud backbone for network communications systems. Provides specifications and detailed schematics for cloud network architectures. Administer, monitor, install, maintain, and troubleshoot a wide range of systems. Conducts testing of network design. Maintains technical expertise in all areas of network and computer hardware and software, virtual appliances, interconnection and interfacing, such as routers, firewalls, switches, gateways, etc.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.16 Cloud Network Engineer II

General Summary

Supports the operation of the cloud backbone for network communications systems. Provides specifications and detailed schematics for cloud network architectures. Administer, monitor, install, maintain, and troubleshoot a wide range of systems. Conducts testing of network design. Maintains technical expertise in all areas of network and computer hardware and software, virtual appliances, interconnection and interfacing, such as routers, firewalls, switches, gateways, etc. Understands how commodity cloud servers, operating systems and networks function, perform and scale.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience.

9-1.0 CLOUD COMPUTING IT PROFESSIONAL SERVICES (SIN 518210C) LABOR CATEGORIES

9-1.17 Cloud Network Engineer III

General Summary

Supports the operation of the cloud backbone for network communications systems. Provides specifications and detailed schematics for cloud network architectures. Administer, monitor, install, maintain, and troubleshoot a wide range of systems. Conducts testing of network design. Maintains technical expertise in all areas of network and computer hardware and software, virtual appliances, interconnection and interfacing, such as routers, firewalls, switches, gateways, etc. Understands how commodity cloud servers, operating systems and networks function, perform and scale. Possesses troubleshooting and problem analysis skills. Knowledge of implementation techniques and tools for the most efficient solution to meet business needs, including present and future capacity requirements.

Job Specifications

Bachelor's Degree or other equivalent degree program, and twelve (12) years prior experience.

9-1.18 Cloud Security Analyst I

General Summary

Conducts risk assessment and provides recommendations for application design for cloud based solutions. Analyzes and defines security requirements within a cloud environment. Supports developing solutions that meet cloud network security requirements.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.19 Cloud Security Analyst II

General Summary

Conducts risk assessment and provides recommendations for application design for cloud based solutions. Analyzes and defines security requirements within a cloud environment. Supports developing solutions that meet cloud network security requirements along with integration and implementation of the network security solution. Performs vulnerability/risk analyses of cloud infrastructure and tenant applications during all phases of the system development lifecycle. Acts as a technical point of escalation.

Job Specifications

Bachelor's Degree or other equivalent degree program, and six (6) years prior experience.

9-1.20 Cloud Information Systems Security Engineer I

General Summary

Owns and manages the development of InfoSec engineering designs and implementation. Identifies security issues and risks, and develop mitigation plans for cloud implementations. Architect, design, implement, support, and evaluate security-focused tools and services. Oversee assessment and mitigation of system security threats/risks throughout the program life cycle; validation of system security requirements definition and analysis and establishing system security designs.

Job Specifications

Bachelor's Degree or other equivalent degree program, and two (2) years prior experience.

9-1.21 Cloud Information Systems Security Engineer II

General Summary

Owns and manages the development of InfoSec engineering designs and implementation. Identifies security issues and risks, and develop mitigation plans for standards for cloud implementations. Architect, design, implement, support, and evaluate security-focused tools and services. Oversee assessment and mitigation of system security threats/risks throughout the program life cycle; validation of system security requirements definition and analysis; establishing system security designs. Supports implementing security designs in hardware, software, data, and procedures and verification of security requirements.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.22 Cloud Security Specialist Senior

General Summary

Owns and manages the development of InfoSec engineering designs and implementation. Identifies security issues and risks, and develop mitigation plans for cloud implementations. Architect, design, implement, support, and evaluate security-focused tools and services. Oversee assessment and mitigation of system security threats/risks throughout the program life cycle; validation of system security requirements definition and analysis; establishing system security designs; implementing security designs in hardware, software, data, and procedures; verification of security requirements; performing system certification and accreditation planning and testing and liaison activities, and supporting secure systems operations and maintenance. Liaisons with various internal and external groups for security mapping and overall solution integration activities.

Job Specifications

Bachelor's Degree or other equivalent degree program, and six (6) years prior experience.

9-1.23 Cloud Project Manager I

General Summary

Coordinates planning, organization, control, integration and completion of cloud projects. Identify, create, develop and integrate innovative solutions and programs that reduce defects in the cloud. Exercise strong judgment in the identification and execution of strategic improvement plans. Anticipate bottlenecks, assess risks, mitigate issues, provide escalation management, anticipate and make tradeoffs, and balance the business needs versus technical constraints.

Job Specifications

Bachelor's Degree or other equivalent degree program, and two (2) years prior experience.

9-1.24 Cloud Project Manager II

General Summary

Coordinates planning, organization, control, integration and completion of cloud projects. Identify, create, develop and integrate innovative solutions and programs that reduce defects in the cloud. Exercise strong judgment in the identification and execution of strategic improvement plans. Anticipate bottlenecks, assess risks, mitigate issues, provide escalation management, anticipate and make tradeoffs, and balance the business needs versus technical constraints. Influence, motivate and lead others to meet the challenges of cloud operational environment.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.25 Cloud Project Manager III

General Summary

Coordinates planning, organization, control, integration and completion of cloud projects. Identify, create, develop and integrate innovative solutions and programs that reduce defects in the cloud. Exercises strong judgment in the identification and execution of strategic improvement plans. Anticipates bottlenecks, assess risks, mitigate issues, provide escalation management, anticipate and make tradeoffs, and balance the business needs versus technical constraints. Influence, motivate and lead others to meet the challenges of cloud operational environment. Validate customer requirements and coordinate cloud resources to onboard new tenant. Generate and submit monthly SLA reports to customers and PM. Support the generation of monthly SLA and other reports.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience.

9-1.26 Cloud Project Manager IV

General Summary

Coordinates planning, organization, control, integration and completion of cloud projects. Identify, create, develop and integrate innovative solutions and programs that reduce defects in the cloud. Exercises strong judgment in the identification and execution of strategic improvement plans. Anticipates bottlenecks, assess risks, mitigate issues, provide escalation management, anticipate and make tradeoffs, and balance the business needs versus technical constraints. Influence, motivate and lead others to meet the challenges of cloud operational environment. Validate customer requirements and coordinate cloud resources to onboard new tenant. Create and/or review SLA and other reports for submission to stakeholders. Lead interactions and interfacing with tenants and other groups for current status, additional requirements, or operational concerns.

Job Specifications

Bachelor's Degree or other equivalent degree program, and twelve (12) years prior experience.

9-1.27 Cloud Program Manager I

General Summary

Responsible for defining, delivering, and managing program lifecycles and product portfolios. Works closely with key stakeholders, partners, and customers on operational and solution aspects around cloud solutions and deployments.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.28 Cloud Program Manager II

General Summary

Responsible for defining, delivering, and managing program lifecycles and product portfolios. Works closely with key stakeholders, partners, and customers to ensure the successful definition and execution of go-to market and solution/integration strategies involving cloud solutions and deployments.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience.

9-1.29 Cloud Program Manager III

General Summary

The role focuses on delivering business value to drive cloud adoption, improve efficiency, and improve customer satisfaction through the production of quality cloud products and services. Responsible for actively participating in enterprise business and program strategy including new business development, managing a large program or multiple programs of varying sizes and interfacing with different internal and external stakeholders.

Job Specifications

Bachelor's Degree or other equivalent degree program, and twelve (12) years prior experience.

9-1.0 CLOUD COMPUTING IT PROFESSIONAL SERVICES (SIN 518210C) LABOR CATEGORIES

9-1.30 Cloud Systems Engineer I

General Summary

Drives the stability and sustainability of the cloud-based networks, software systems for scaling and reliable operations. Performs system integration, verification and validation and supportability and effectiveness analyses for total systems. Creates proactive engineering mechanisms that will enable the team to manage the health of a number of distributed VMs. Performs functional analysis, timeline analysis and trade studies.

Job Specifications

Bachelor's Degree or other equivalent degree program.

9-1.31 Cloud Systems Engineer II

General Summary

Drives the stability and sustainability of the cloud-based networks, software systems for scaling and reliable operations. Performs system integration, verification and validation and supportability and effectiveness analyses for total systems. Creates proactive engineering mechanisms that will enable the team to manage the health of a number of distributed VMs. Performs functional analysis, timeline analysis, detail trade studies, requirements allocation and interface definition studies for hardware and software specifications. Utilizes trends and metrics to identify opportunities for improvements within existing frameworks, tools and processes.

Job Specifications

Bachelor's Degree or other equivalent degree program, and two (2) years prior experience.

9-1.32 Cloud Systems Engineer III

General Summary

Drives the stability and sustainability of the cloud-based networks, software systems for scaling and reliable operations. Performs system integration, verification and validation and supportability and effectiveness analyses for total systems. Creates proactive engineering mechanisms that will enable the team to manage the health of a number of distributed VMs. Performs functional analysis, timeline analysis, detail trade studies, requirements allocation and interface definition studies for hardware and software specifications. Utilizes trends and metrics to identify opportunities for improvements within existing frameworks, tools and processes. Responsible for systems functionality, performance, and configurations issues.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.33 Cloud Virtualization Engineer I

General Summary

Owns and operates the cloud hypervisor and hosting systems. Troubleshoots applications, networks, databases using internal virtualization tools using knowledge and toolkits. Assists in Design/Architecture of pure cloud and hybrid cloud solutions. Possesses troubleshooting and problem analysis skills. Implementation techniques and tools for the most efficient solution to meet business needs, including present and future capacity requirements.

Job Specifications

Bachelor's Degree or other equivalent degree program, and two (2) years prior experience.

9-1.34 Cloud Virtualization Engineer II

General Summary

Owns and operates the cloud hypervisor and hosting systems. Troubleshoots applications, networks, databases using internal virtualization tools using knowledge and toolkits. Assists in Design/Architecture of pure cloud and hybrid cloud solutions. Possesses troubleshooting and problem analysis skills. Implementation techniques and tools for the most efficient solution to meet business needs, including present and future capacity requirements. Makes recommendations to purchase hardware and software, coordinates installation and provides backup recovery.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.35 Cloud Virtualization Engineer III

General Summary

Owns and operates the cloud hypervisor and hosting systems. Troubleshoots applications, networks, databases using internal virtualization tools using knowledge and toolkits. Assists in Design/Architecture of pure cloud and hybrid cloud solutions. Possesses troubleshooting and problem analysis skills. Implementation techniques and tools for the most efficient solution to meet business needs, including present and future capacity requirements. Makes recommendations to purchase hardware and software, coordinates installation and provides backup recovery. Develops and monitors policies and standards for allocation related to the use of computing resources. Acts as a technical point of escalation.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience.

9-1.36 Cloud Software Engineer

General Summary

Specializes in software development for cloud computing systems, provides guidance on how the system should operate and support to programmers who help write the program code. Responsible for overseeing the development of system software, including maintenance and proper operation. Designs software for new systems or upgrade of existing systems.

Job Specifications

Bachelor's Degree or other equivalent degree program, and two (2) years prior experience.

9-1.37 Cloud Platform Engineer

General Summary

Performs technical planning, system integration, verification and validation, cost and risk, and supportability and effectiveness analyses for different cloud-based platforms. Creates proactive engineering mechanisms that will enable the team to manage the health of a number of distributed VMs. Performs functional analysis, timeline analysis, detail trade studies, requirements allocation and interface definition studies for hardware and software specifications. Utilize trends and metrics to identify opportunities for improvements within existing frameworks, tools and processes. Responsible for systems functionality, performance, and configurations issues.

Job Specifications

Bachelor's Degree or other equivalent degree program, and two (2) years prior experience.

9-1.38 Cloud Infrastructure Engineer

General Summary

Drive the stability and sustainability of cloud-based networks, software systems. Integration of innovative ways for scaling and reliable operations. Performs technical planning, system integration, verification and validation, cost and risk, and supportability and effectiveness analyses for total systems. Identify opportunities for improvements within existing frameworks, tools and processes. Responsible for systems functionality, performance, and configurations issues.

Job Specifications

Bachelor's Degree or other equivalent degree program, and two (2) years prior experience.

9-1.39 Cloud Migration Engineer

General Summary

Utilizes trends and metrics to identify the best system for enterprise cloud hosting and management. Identifies requirements and develops solutions related to aspects such as systems functionality, performance, and configurations issues. Performs functional analysis, timeline analysis, detail trade studies, requirements allocation and interface definition studies for hardware and software specifications to justify proposed solution prior to implementation and ensure that the requisite standards are met, post-implementation.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.40 Cloud DevOps Engineer

General Summary

Develops strategy and integration methodology around design, development and implementation of cloud based solutions. Performs technical planning, system integration, verification and validation, cost and risk, and supportability and effectiveness analyses for total systems. Performs functional analysis, timeline analysis, detail trade studies, requirements allocation and interface definition studies for hardware and software specifications. Utilize trends and metrics to identify opportunities for improvements within existing frameworks, tools and processes. Responsible for systems functionality, performance, and configurations issues. Enables the quick development and release of changes and bug-fixes on an as-required basis and incorporation of feedback from developers/users.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.41 Cloud Enterprise Services Engineer

General Summary

Builds new and improved existing automation and scripted tools to scale enterprise cloud offerings. Assists with activities around auditing, reporting, and managing cloud based services and offerings. Executes and manages special projects that enhance enterprise services environments. Develops workflows to help in improvements to scaling of cloud related operations across the enterprise.

Job Specifications

Bachelor's Degree or other equivalent degree program, and two (2) years prior experience.

9-1.42 IdAM (Identity Asset Manager) Engineer

General Summary

Develop and maintain Identity & Access Management systems architecture and standards for delivering enterprise-wide Identity, Access, Directory and Authentication Services for employees, vendors and members with the capability to support cloud services of varying types. Participate and support information security policies and relevant compliance requirement activities with respect to cloud deployments. Support the design and engineer enterprise deployment of identity governance and administration tools and products for cloud related projects and programs.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.43 Cloud Consultant

General Summary

Responsible for new cloud architecture design, development and integration of new architectural features into existing cloud infrastructures while maintaining the integrity and security of enterprise-wide cyber systems and networks. Lead multi-disciplined teams in the design and implementation of the cybersecurity system architecture. Able to apply cyber security standards, directives, guidance and policies to a cloud architectural framework. Compile industry best practices and lessons learned into future iterations and new designs for the cloud hosting environment. Provide broad based experience in the systems engineering lifecycle and specific cyber security initiatives relating to cloud architectural design and development. Resolve cloud architecture implementation issues during integration and test. Interface with different entities - internal and external to the enterprise.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.44 Cloud Sr. Executive/Partner

General Summary

Works closely with current customers and prospective customers as a trusted advisor to deeply understand their unique company challenges and goals around cloud solutions and deployments. Consult with customers on the Cloud to evangelize solutions that will help them reach their business goals and achieve enterprise performance targets. Contribute to strategic cloud solution business growth via collaboration and consultation with internal and external stakeholders.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience.

9-1.45 Cloud Business Analyst

General Summary

Deep knowledge and analysis experience in a range of digital/web services and solutions where open source, cloud technologies and agile development methodologies have been applied. Ability to rationalize complex information to make it understandable for others to work, and ability to interrogate reported information and challenge sources where inconsistencies are found. Analyze propositions and assess decision-making factors such as strategic alignment, cost/benefit, and risk. Works closely with the Product Manager to define a product approach to meet the specified user need. May oversee aspects such as budget and resource requirements. Help in defining predicted user and financial benefit can be realized. Make recommendations for action against the analysis done.

Job Specifications

Bachelor's Degree or other equivalent degree program, and two (2) years prior experience.

9-1.46 Cloud Product Manager

General Summary

The Cloud Product Manager is responsible for defining, delivering, and managing cloud product portfolio. The Cloud Product Manager manages strategic product vision, product discovery, roadmaps, financials, and backlog to maximize the customer and enterprise value provided by their product. The Cloud Product Manager is responsible for working closely with key stakeholders, partners, and customers to ensure the successful definition and execution of go-to market and communications strategies for their products. Cloud Product Managers are also responsible for interfacing with stakeholders, and peers. The role focuses on delivering business value to drive cloud adoption, improve efficiency, and improve customer satisfaction through the production of quality cloud products and services.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience.

9-1.47 Storage Engineer

General Summary

Storage provisioning, maintenance, monitoring, and troubleshooting for cloud solutions. Storage requirements gathering, capacity planning, security hardening, performance tuning, and audit compliance. Researching, evaluating, and testing new storage technologies to improve service and reduce cost. Automation of common tasks and procedures. Working closely with engineers from the systems, network, CDN, database, monitoring, and security teams, along with software development and QA teams, to develop holistic solutions. Working closely with vendor engineering and support to troubleshoot problems, mitigate software defects, and drive new features..

Job Specifications

Bachelor's Degree or other equivalent degree program, and two (2) years prior experience.

9-1.48 Reliability Engineer

General Summary

Responsible for the availability, performance, monitoring, and incident response, among other things, of the cloud platforms and services. Ensure that everything that goes to production complies with a set of general requirements like diagrams, dependencies of other services, monitoring and logging plans, backups and possible high availability setups. Manages uncaught exceptions, hardware degradation, networking problems, high usage of resources, or slow responses that could happen at any time. Uses metrics such as mean time to recover (MTTR) and mean time to failure (MTTF).

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.49 Risk Assessment/Management Specialist

General Summary

Responsible for identifying and mitigating infrastructure and security risks such as: Insider Access, Ancillary data, Software isolation and Availability using globally recommended frameworks from NIST, ENISA, CCM, etc. for different types of cloud deployments. Other responsibilities could include function as a Subject Matter Expert (SME) on security policies that comply with required laws, regulations, contracts, provide guidance related to security policy compliance, partner with security leadership and application stakeholders to track, verify and report on security controls related to policy compliance, inform and educate others on security policies, risks and threats.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-1.50 Cloud Software Developer

General Summary

Develop, create, analyze and modify software using different technologies for various cloud platforms. Support implementation, integration and maintenance of cloud based software applications. Design or customize software for client use with the aim of optimizing operational efficiency of cloud solutions and implementations.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

9-2.0 CLOUD COMPUTING IT PROFESSIONAL SERVICES (SIN 518210C) PRICE LIST

9-2.1 Leidos/On-Site Rates, Contract Years 7 through 10

All Rates Include GSA IFF (.75%)

SIN 518210C CLOUD RELATED IT PROFESSIONAL SERVICES PRICE LIST

GS -35F-116AA	Contract Year 7	Contract Year 8	Contract Year 9	Contract Year 10
	12/13/2018 through 12/12/2019	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
LEIDOS CONTRACTOR / ON-SITE RATES				
All Rates Include GSA IFF (.75%)				
Cloud Administrative Specialist 1	\$113.75	\$117.16	\$120.68	\$123.45
Cloud Administrative Specialist 2	\$148.63	\$153.08	\$157.68	\$161.30
Cloud Administrative Specialist 3	\$182.23	\$187.70	\$193.33	\$197.77
Cloud Administrator 1	\$88.10	\$90.74	\$93.47	\$95.62
Cloud Administrator 2	\$104.83	\$107.98	\$111.22	\$113.77
Cloud Administrator 3	\$128.13	\$131.97	\$135.93	\$139.06
Cloud Administrator 4	\$161.11	\$165.94	\$170.92	\$174.85
Cloud Architect 1	\$88.10	\$90.74	\$93.47	\$95.62
Cloud Architect 2	\$104.83	\$107.98	\$111.22	\$113.77
Cloud Architect 3	\$128.13	\$131.97	\$135.93	\$139.06
Cloud Architect 4	\$161.11	\$165.94	\$170.92	\$174.85
Cloud Architect 5	\$200.81	\$206.83	\$213.04	\$217.94
Cloud Application Tester 1	\$126.95	\$130.76	\$134.68	\$137.78
Cloud Application Tester 2	\$163.30	\$168.20	\$173.25	\$177.23
Cloud Network Engineer 1	\$128.13	\$131.97	\$135.93	\$139.06
Cloud Network Engineer 2	\$161.11	\$165.94	\$170.92	\$174.85
Cloud Network Engineer 3	\$200.81	\$206.83	\$213.04	\$217.94
Cloud Security Analyst 1	\$104.83	\$107.98	\$111.22	\$113.77
Cloud Security Analyst 2	\$128.13	\$131.97	\$135.93	\$139.06
Cloud Information Systems Security Engineer 1	\$104.83	\$107.98	\$111.22	\$113.77
Cloud Information Systems Security Engineer 2	\$128.13	\$131.97	\$135.93	\$139.06
Cloud Security Specialist Senior	\$128.13	\$131.97	\$135.93	\$139.06
Cloud Project Manager 1	\$105.57	\$108.74	\$112.00	\$114.58
Cloud Project Manager 2	\$131.18	\$135.11	\$139.16	\$142.36
Cloud Project Manager 3	\$148.86	\$153.32	\$157.92	\$161.55
Cloud Project Manager 4	\$199.31	\$205.29	\$211.45	\$216.31
Cloud Program Manager 1	\$148.86	\$153.32	\$157.92	\$161.55

9-2.0 CLOUD COMPUTING IT PROFESSIONAL SERVICES (SIN 518210C) PRICE LIST

Cloud Program Manager 2	\$199.31	\$205.29	\$211.45	\$216.31
Cloud Program Manager 3	\$246.73	\$254.13	\$261.75	\$267.77
Cloud Systems Engineer 1	\$87.54	\$90.17	\$92.88	\$95.01
Cloud Systems Engineer 2	\$103.70	\$106.81	\$110.01	\$112.54
Cloud Systems Engineer 3	\$126.95	\$130.76	\$134.68	\$137.78
Cloud Virtualization Engineer 1	\$104.83	\$107.98	\$111.22	\$113.77
Cloud Virtualization Engineer 2	\$128.13	\$131.97	\$135.93	\$139.06
Cloud Virtualization Engineer 3	\$161.11	\$165.94	\$170.92	\$174.85
Cloud Software Engineer	\$103.70	\$106.81	\$110.01	\$112.54
Cloud Platform Engineer	\$103.70	\$106.81	\$110.01	\$112.54
Cloud Infrastructure Engineer	\$103.70	\$106.81	\$110.01	\$112.54
Cloud Migration Engineer	\$126.95	\$130.76	\$134.68	\$137.78
Cloud DevOps Engineer	\$126.95	\$130.76	\$134.68	\$137.78
Cloud Enterprise Services Engineer	\$103.70	\$106.81	\$110.01	\$112.54
IdAM (Identity Asset Manager) Engineer	\$128.13	\$131.97	\$135.93	\$139.06
Cloud Consultant	\$128.13	\$131.97	\$135.93	\$139.06
Cloud Sr. Executive/Partner	\$199.31	\$205.29	\$211.45	\$216.31
Cloud Business Analyst	\$104.83	\$107.98	\$111.22	\$113.77
Cloud Product Manager	\$199.31	\$205.29	\$211.45	\$216.31
Storage Engineer	\$104.83	\$107.98	\$111.22	\$113.77
Reliability Engineer	\$126.95	\$130.76	\$134.68	\$137.78
Risk Assessment/Management Specialist	\$128.13	\$131.97	\$135.93	\$139.06
Cloud Software Developer	\$128.13	\$131.97	\$135.93	\$139.06

9-2.2 Government Site Rates, Contract Years 7 through 10

All Rates Include GSA IFF (.75%)

SIN 518210C CLOUD RELATED IT PROFESSIONAL SERVICES PRICE LIST

GS -35F-116AA	Contract Year 7	Contract Year 8	Contract Year 9	Contract Year 10
	12/13/2018 through 12/12/2019	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
GOVERNMENT SITE RATES All Rates Include GSA IFF (.75%)				
Cloud Administrative Specialist 1	\$99.10	\$102.07	\$105.14	\$107.55
Cloud Administrative Specialist 2	\$129.49	\$133.37	\$137.38	\$140.54
Cloud Administrative Specialist 3	\$158.76	\$163.53	\$168.43	\$172.31
Cloud Administrator 1	\$76.76	\$79.06	\$81.43	\$83.30
Cloud Administrator 2	\$91.33	\$94.07	\$96.90	\$99.13
Cloud Administrator 3	\$111.63	\$114.98	\$118.43	\$121.15
Cloud Administrator 4	\$140.36	\$144.57	\$148.91	\$152.33
Cloud Architect 1	\$76.76	\$79.06	\$81.43	\$83.30

9-2.0 CLOUD COMPUTING IT PROFESSIONAL SERVICES (SIN 518210C) PRICE LIST

Cloud Architect 2	\$91.33	\$94.07	\$96.90	\$99.13
Cloud Architect 3	\$111.63	\$114.98	\$118.43	\$121.15
Cloud Architect 4	\$140.36	\$144.57	\$148.91	\$152.33
Cloud Architect 5	\$174.95	\$180.20	\$185.61	\$189.88
Cloud Application Tester 1	\$110.60	\$113.92	\$117.34	\$120.04
Cloud Application Tester 2	\$142.28	\$146.54	\$150.94	\$154.41
Cloud Network Engineer 1	\$111.63	\$114.98	\$118.43	\$121.15
Cloud Network Engineer 2	\$140.36	\$144.57	\$148.91	\$152.33
Cloud Network Engineer 3	\$174.95	\$180.20	\$185.61	\$189.88
Cloud Security Analyst 1	\$91.33	\$94.07	\$96.90	\$99.13
Cloud Security Analyst 2	\$111.63	\$114.98	\$118.43	\$121.15
Cloud Information Systems Security Engineer 1	\$91.33	\$94.07	\$96.90	\$99.13
Cloud Information Systems Security Engineer 2	\$111.63	\$114.98	\$118.43	\$121.15
Cloud Security Specialist Senior	\$111.63	\$114.98	\$118.43	\$121.15
Cloud Project Manager 1	\$91.98	\$94.74	\$97.58	\$99.83
Cloud Project Manager 2	\$114.29	\$117.72	\$121.25	\$124.04
Cloud Project Manager 3	\$129.69	\$133.58	\$137.59	\$140.75
Cloud Project Manager 4	\$173.64	\$178.85	\$184.22	\$188.45
Cloud Program Manager 1	\$129.69	\$133.58	\$137.59	\$140.75
Cloud Program Manager 2	\$173.64	\$178.85	\$184.22	\$188.45
Cloud Program Manager 3	\$214.96	\$221.41	\$228.06	\$233.30
Cloud Systems Engineer 1	\$76.27	\$78.56	\$80.92	\$82.78
Cloud Systems Engineer 2	\$90.35	\$93.06	\$95.85	\$98.06
Cloud Systems Engineer 3	\$110.60	\$113.92	\$117.34	\$120.04
Cloud Virtualization Engineer 1	\$91.33	\$94.07	\$96.90	\$99.13
Cloud Virtualization Engineer 2	\$111.63	\$114.98	\$118.43	\$121.15
Cloud Virtualization Engineer 3	\$140.36	\$144.57	\$148.91	\$152.33
Cloud Software Engineer	\$90.35	\$93.06	\$95.85	\$98.06
Cloud Platform Engineer	\$90.35	\$93.06	\$95.85	\$98.06
Cloud Infrastructure Engineer	\$90.35	\$93.06	\$95.85	\$98.06
Cloud Migration Engineer	\$110.60	\$113.92	\$117.34	\$120.04
Cloud DevOps Engineer	\$110.60	\$113.92	\$117.34	\$120.04
Cloud Enterprise Services Engineer	\$90.35	\$93.06	\$95.85	\$98.06
IdAM (Identity Asset Manager) Engineer	\$111.63	\$114.98	\$118.43	\$121.15
Cloud Consultant	\$111.63	\$114.98	\$118.43	\$121.15
Cloud Sr. Executive/Partner	\$173.64	\$178.85	\$184.22	\$188.45
Cloud Business Analyst	\$91.33	\$94.07	\$96.90	\$99.13
Cloud Product Manager	\$173.64	\$178.85	\$184.22	\$188.45
Storage Engineer	\$91.33	\$94.07	\$96.90	\$99.13

9-2.0 CLOUD COMPUTING IT PROFESSIONAL SERVICES (SIN 518210C) PRICE LIST

Reliability Engineer	\$110.60	\$113.92	\$117.34	\$120.04
Risk Assessment/Management Specialist	\$111.63	\$114.98	\$118.43	\$121.15
Cloud Software Developer	\$111.63	\$114.98	\$118.43	\$121.15



9.3 CLOUD COMPUTING PRODUCTS (SIN 518210C) PRICE LIST

MANUFACTURER NAME	MFR PART NO	PRODUCT NAME	PRODUCT DESCRIPTION	UOI	DISCOUNT PRICE OFFERED TO GSA (including IFF)
LEIDOS	LEIDOS-COM-SMALL-WEB	Leidos Commercial Linux Small Web Application	Not to exceed: *4 small-sized VMs running constantly in a month (720 hours) *1200 GBs of disk storage *30 GBs of object storage *1 Application Load Balancer running constantly in a month (720 hours) *300 GBs of Data Transfer Out per month *20 GBs of no-SQL databases *2 Web Application Firewall ACL rule changes/ million requests *20 GBs of MySQL Databases	EA	\$ 618.82
LEIDOS	LEIDOS-COM-MED-WEB	Leidos Commercial Medium Web Application	Not to exceed: *16 medium-sized VMs running constantly in a month (720 hours) *3000 GBs of hard disk storage *150 GBs of object storage *4 Application Load Balancer running constantly in a month (720 hours) *500 GBs of Data Transfer Out per month *120 GBs of no-SQL databases *4 Web Application Firewall ACL rule changes/ million requests *120 GBs of MySQL Databases	EA	\$ 3,282.47
LEIDOS	LEIDOS-COM-LARGE-WEB	Leidos Commercial Large Web Application	Not to exceed: *30 large-sized VMs running constantly in a month (720 hours) *10,000 GBs of hard disk storage *20,000 GBs of object storage *6 Application Load Balancer running constantly in a month (720 hours) *3000 GBs of Data Transfer Out per month *600 GBs of no-SQL databases *6 Web Application Firewall ACL rule changes/ million requests *600 GBs of MySQL Databases	EA	\$ 21,449.03



LEIDOS	LEIDOS-COM-XLARGE-WEB	Leidos Commercial Extra Large Web Application	<p>Not to exceed:</p> <ul style="list-style-type: none"> *42 extra large-sized VMs running constantly in a month (720 hours) *30,000 GBs of hard disk storage *100,000 GBs of object storage *8 Application Load Balancer running constantly in a month (720 hours) *7500 GBs of Data Transfer Out per month *2000 GBs of no-SQL databases *12 Web Application Firewall ACL rule changes/ million requests *1000 GBs of SQL Databases 	EA	\$ 81,139.25
LEIDOS	LEIDOS-COM-MLARGE-WEB	Leidos Commercial Massively Large Web Application	<p>Not to exceed:</p> <ul style="list-style-type: none"> *46 massively large-sized VMs running constantly in a month (720 hours) *56,000 GBs of hard disk storage *300,000 GBs of object storage *8 Application Load Balancer running constantly in a month (720 hours) *37500 GBs of Data Transfer Out per month *7500 GBs of no-SQL database *20 Web Application Firewall ACL rule changes/ million requests *7500 GBs of MySQL Database 	EA	\$ 400,844.27
LEIDOS	LEIDOS-COM-SMALL-ETL	Leidos Commercial Small ETL/Data Transformation Application	<p>Not to exceed:</p> <ul style="list-style-type: none"> *1 ETL job running constantly in a month (720 hours) *30 GB of object storage *20 GBs of Aurora Database *20 GBs of MySQL Database 	EA	\$ 370.34
LEIDOS	LEIDOS-COM-MED-ETL	Leidos Commercial Medium ETL/Data Transformation Application	<p>Not to exceed:</p> <ul style="list-style-type: none"> *2 ETL jobs running constantly in a month (720 hours) *150 GB of object storage *120 GBs of Aurora Database *120 GBs of MySQL Database 	EA	\$ 752.26
LEIDOS	LEIDOS-COM-LARGE-ETL	Leidos Commercial Large ETL/Data Transformation Application	<p>Not to exceed:</p> <ul style="list-style-type: none"> *8 ETL jobs running constantly in a month (720 hours) *20,000 GB of object storage *600 GBs of Aurora Database *600 GBs of MySQL Database 	EA	\$ 8,677.92
LEIDOS	LEIDOS-COM-XLARGE-ETL	Leidos Commercial Extra Large ETL/Data Transformation Application	<p>Not to exceed:</p> <ul style="list-style-type: none"> *16 ETL jobs running constantly in a month (720 hours) *100,000 GB of object storage *1000 GBs of Aurora Database *1000 GBs of MySQL Database 	EA	\$ 36,969.96



LEIDOS	LEIDOS-COM-MLARGE-ETL	Leidos Commercial Massively Large ETL/Data Transformation Application	Not to exceed: *32 ETL jobs running constantly in a month (720 hours) *300,000 GB of object storage *20,000 GBs of Aurora Database *7500 GBs of MySQL Database	EA	\$ 138,731.95
LEIDOS	LEIDOS-COM-SMALL-MIGR	Leidos Commercial Small Cloud and Data Migration	Not to exceed: *4 database migration small-sized VMs running constantly in a month (720 hours)	EA	\$ 240.39
LEIDOS	LEIDOS-COM-MED-MIGR	Leidos Commercial Medium Cloud and Data Migration	Not to exceed: *8 database migration medium-sized VMs running constantly in a month (720 hours)	EA	\$ 974.91
LEIDOS	LEIDOS-COM-LARGE-MIGR	Leidos Commercial Large Cloud and Data Migration	Not to exceed: *12 database migration large-sized VMs running constantly in a month (720 hours)	EA	\$ 3,372.12
LEIDOS	LEIDOS-COM-XLARGE-MIGR	Leidos Commercial Extra Large Cloud and Data Migration	Not to exceed: *12 database migration extra large-sized VMs running constantly in a month (720 hours)	EA	\$ 21,983.04
LEIDOS	LEIDOS-COM-MLARGE-MIGR	Leidos Commercial Massively Large Cloud and Data Migration	Not to exceed: *12 database migration massively large-sized VMs running constantly in a month (720 hours) *CloudEndure Service (free)	EA	\$ 66,106.88
LEIDOS	LEIDOS-COM-SMALL-DR	Leidos Commercial Small DR/Backup Application	Not to exceed: *4 small-sized VMs running constantly in a month (720 hours) *1200 GBs of hard disk storage *30 GBs of object storage	EA	\$ 519.91
LEIDOS	LEIDOS-COM-MED-DR	Leidos Commercial Medium DR/Backup Application	Not to exceed: *16 medium-sized VMs running constantly in a month (720 hours) *3000 GBs of hard disk storage *150 GBs of object storage	EA	\$ 2,610.76
LEIDOS	LEIDOS-COM-LARGE-DR	Leidos Commercial Large DR/Backup Application	Not to exceed: *30 large-sized VMs running constantly in a month (720 hours) *10,000 GBs of hard disk storage *20,000 GBs of objects storage	EA	\$ 15,274.70
LEIDOS	LEIDOS-COM-XLARGE-	Leidos Commercial Extra Large DR/Backup Application	Not to exceed: *42 extra large-sized VMs running constantly in a month (720 hours) *30,000 GBs of hard disk storage *100,000 GBs of object storage	EA	\$ 60,695.08

9.3 CLOUD COMPUTING PRODUCTS (SIN 518210C) PRICE LIST



	DR				
LEIDOS	LEIDOS-COM-MLARGE-DR	Leidos Commercial Massively Large DR/Backup Application	<p>Not to exceed:</p> <ul style="list-style-type: none"> *46 massively large-sized VMs running constantly in a month (720 hours) *56,000 GBs of hard disk storage *300,000 GBs of object storage 	EA	\$ 196,804.09
LEIDOS	LEIDOS-COM-SMALL-DEV	Leidos Commercial Small Software Development/ CICD application	<p>Not to exceed:</p> <ul style="list-style-type: none"> *4 small-sized VMs running constantly in a month (720 hours) *1200 GBs of hard disk storage *30 GBs of object storage *1 Application Load Balancer running constantly in a month (720 hours) 	EA	\$ 544.94
LEIDOS	LEIDOS-COM-MED-DEV	Leidos Commercial Medium Software Development/ CICD application	<p>Not to exceed:</p> <ul style="list-style-type: none"> *16 medium-sized VMs running constantly in a month (720 hours) *3000 GBs of hard disk storage *150 GBs of object storage *4 Application Load Balancer running constantly in a month (720 hours) 	EA	\$ 2,610.76
LEIDOS	LEIDOS-COM-LARGE-DEV	Leidos Commercial Large Software Development/ CICD application	<p>Not to exceed:</p> <ul style="list-style-type: none"> *30 large-sized VMs running constantly in a month (720 hours) *10,000 GBs of hard disk storage *20,000 GBs of object storage *6 Application Load Balancer running constantly in a month (720 hours) 	EA	\$ 15,274.70
LEIDOS	LEIDOS-COM-XLARGE-DEV	Leidos Commercial Extra Large Software Development/ CICD application	<p>Not to exceed:</p> <ul style="list-style-type: none"> *42 extra large-sized VMs running constantly in a month (720 hours) *30,000 GBs of hard disk storage *100,000 GBs of object storage *8 Application Load Balancer running constantly in a month (720 hours) 	EA	\$ 60,895.63



LEIDOS	LEIDOS-COM-MLARGE-DEV	Leidos Commercial Massively Large Software Development/ CI/CD application	Not to exceed: *46 massively large-sized VMs running constantly in a month (720 hours) *56,000 GBs of hard disk storage *300,000 GBs of object storage *8 Application Load Balancer running constantly in a month (720 hours)	EA	\$ 196,650.93
LEIDOS	LEIDOS-COM-SMALL-AAA	Leidos Commercial Small Authorization and Authentication application	Not to exceed: *2 Domain Controllers	EA	\$ 3,338.73
LEIDOS	LEIDOS-COM-MED-AAA	Leidos Commercial Medium Authorization and Authentication application	Not to exceed: *4 Domain Controllers	EA	\$ 13,354.93
LEIDOS	LEIDOS-COM-LARGE-AAA	Leidos Commercial Large Authorization and Authentication application	Not to exceed: *16 Domain Controllers	EA	\$ 33,387.32
LEIDOS	LEIDOS-COM-XLARGE-AAA	Leidos Commercial Extra Large Authorization and Authentication application	Not to exceed: *45 Domain Controllers	EA	\$ 75,121.46
LEIDOS	LEIDOS-COM-MLARGE-AAA	Leidos Commercial Massively Large Authorization and Authentication application	Not to exceed: *100 Domain Controllers	EA	\$ 166,936.58
LEIDOS	LEIDOS-COM-SMALL-STOR	Leidos Commercial Small Storage and Archiving application	Not to exceed: *30 GBs of object storage *5000 GBs of Archive storage *300 GBs of Archive storage	EA	\$ 158.08
LEIDOS	LEIDOS-COM-MED-STOR	Leidos Commercial Medium Storage and Archiving application	Not to exceed: *150 GBs of object storage *25000 GBs of Archive storage *1500 GBs of Archive storage	EA	\$ 645.56
LEIDOS	LEIDOS-COM-LARGE-STOR	Leidos Commercial Large Storage and Archiving application	Not to exceed: *20,000 GBs of object storage *100,000 GBs of Archive storage *200,000 GBs of Archive storage	EA	\$ 4,889.02
LEIDOS	LEIDOS-COM-XLARGE-STOR	Leidos Commercial Extra Large Storage and Archiving application	Not to exceed: *100,000 GBs of object storage *300,000 GBs of Archive storage *1,000,000 GBs of Archive storage	EA	\$ 21,491.00
LEIDOS	LEIDOS-COM-MLARGE-STOR	Leidos Commercial Massively Large Storage and Archiving application	Not to exceed: *300,000 GBs of object storage *1,000,000 GBs of Archive storage *3,000,000 GBs of Archive storage	EA	\$ 65,291.33



LEIDOS	LEIDOS-COM-SMALL-AIML	Leidos Commercial Small Artificial Intelligence /Machine Learning Application	Not to exceed: *400 activities on NLP service *10 million Language Translation characters	EA	\$ 1,390.58
LEIDOS	LEIDOS-COM-MED-AIML	Leidos Commercial Medium Artificial Intelligence/Machine Learning Application	Not to exceed: *2000 activities on NLP service *70 million Language Translation characters *8 medium-sized SageMaker Builder VMs running constantly in a month (720 hours) *8 medium-sized SageMaker Deployment VMs running constantly in a month (720 hours)	EA	\$ 8,531.76
LEIDOS	LEIDOS-COM-LARGE-AIML	Leidos Commercial Large Artificial Intelligence /Machine Learning Application	Not to exceed: *25000 activities on NLP service *300 million Language Translation characters *16 large-sized SageMaker Builder VMs running constantly in a month (720 hours) *16 large-sized SageMaker Builder VMs running constantly in a month (720 hours) *16 large-sized SageMaker Deployment VMs running constantly in a month (720 hours)	EA	\$ 25,732.69
LEIDOS	LEIDOS-COM-XLARGE-AIML	Leidos Commercial Extra Large Artificial Intelligence /Machine Learning Application	Not to exceed: *100,000 activities on NLP Service *1500 million Language Translation characters *12 extra large-sized SageMaker Builder VMs running constantly in a month (720 hours) *12 extra large-sized SageMaker Builder VMs running constantly in a month (720 hours) *12 extra large-sized SageMaker Deployment VMs running constantly in a month (720 hours)	EA	\$ 102,208.77
LEIDOS	LEIDOS-COM-MLARGE-AIML	Leidos Commercial Massively Large AI/ML Application	Not to exceed: *300,000 activities on NLP Service *5000 million Language Translation characters *12 massively large-sized SageMaker Builder VMs running constantly in a month (720 hours) *12 massively large-sized SageMaker Builder VMs running constantly in a month (720 hours) *12 massively large-sized SageMaker Deployment VMs running constantly in a month (720 hours)	EA	\$ 409,970.08
LEIDOS	LEIDOS-COM-SMALL-HYBRID	Leidos Commercial Small Hybrid Cloud Infrastructure	Not to exceed: *1 VPN Connection *50 Mbps of DirectConnet	EA	\$ 25.10
LEIDOS	LEIDOS-COM-MED-HYBRID	Leidos Commercial Medium Hybrid Cloud Infrastructure	Not to exceed: *4 VPN Connection *100 Mbps of DirectConnet	EA	\$ 50.31
LEIDOS	LEIDOS-COM-LARGE-HYBRID	Leidos Commercial Large Hybrid Cloud Infrastructure	Not to exceed: *20 VPN Connection *1000 Mbps of DirectConnet	EA	\$ 276.60

9.3 CLOUD COMPUTING PRODUCTS (SIN 518210C) PRICE LIST



LEIDOS	LEIDOS-COM-XLARGE-HYBRID	Leidos Commercial Extra Large Hybrid Cloud Infrastructure	Not to exceed: *100 VPN Connection *5000 Mbps of DirectConnet	EA	\$ 1,383.02
LEIDOS	LEIDOS-COM-MLARGE-HYBRI	Leidos Commercial Massively Large Hybrid Cloud Infrastructure	Not to exceed: *300 VPN Connection *10000 Mbps of DirectConnet	EA	\$ 2,087.40
LEIDOS	LEIDOS-COM-SMALL-IOT	Leidos Commercial Small Internet-of-Things Application	Not to exceed: *100 Messages/Connection Minutes	EA	\$ 463.71
LEIDOS	LEIDOS-COM-MED-IOT	Leidos Commercial Medium Internet-of-Things Application	Not to exceed: *1,000 Messages/Connection Minutes	EA	\$ 2,318.56
LEIDOS	LEIDOS-COM-LARGE-IOT	Leidos Commercial Large Internet-of-Things Application	Not to exceed: *10,000 Messages/Connection Minutes	EA	\$ 23,185.64
LEIDOS	LEIDOS-COM-XLARGE-IOT	Leidos Commercial Extra Large Internet-of-Things Application	Not to exceed: *20,000 Messages/Connection Minutes	EA	\$ 46,371.27
LEIDOS	LEIDOS-COM-MLARGE-IOT	Leidos Commercial Massively Large Internet-of-Things Application	Not to exceed: *40,000 Messages/Connection Minutes	EA	\$ 115,928.18
LEIDOS	LEIDOS-COM-SMALL-SVRLESS	Leidos Commercial Small Serverless Application	Not to exceed: *0 million serverless compute requests *0 million API requests *30 GB of object storage *20 GB no-SQL database	EA	\$ 5.67
LEIDOS	LEIDOS-COM-MED-SVRLESS	Leidos Commercial Medium Serverless Application	Not to exceed: *1 million serverless compute requests *1 million API requests *150 GB of objects storage *120 GB no-SQL database	EA	\$ 46.14
LEIDOS	LEIDOS-COM-LARGE-SVRLESS	Leidos Commercial Large Serverless Application	Not to exceed: *19 million serverless compute requests *19 million API requests *150 GB of object storage *120 GB no-SQL database	EA	\$ 3,494.84
LEIDOS	LEIDOS-COM-XLARGE-SVRLES	Leidos Commercial Extra Large Serverless Application	Not to exceed: *94 million serverless compute requests *94 million API requests *100,000 GB of object storage *2,000 GB no-SQL database	EA	\$ 17,455.67
LEIDOS	LEIDOS-COM-MLARGE-SVRLE	Leidos Commercial Massively Large Serverless Application	Not to exceed: *281 million serverless compute requests *281 million API requests *300,000 GB of objects storage *7500 GB no-SQL database	EA	\$ 52,394.83



LEIDOS	LEIDOS-COM-SMALL-CONTAI	Leidos Commercial Small Container Application	Not to exceed: *4 small-sized VMs running constantly in a month (720 hours) *4 vCPU/GB for Containers	EA	\$ 281.75
LEIDOS	LEIDOS-COM-MED-CONTAIN	Leidos Commercial Medium Container Application	Not to exceed: *16 medium-sized VMs running constantly in a month (720 hours) *16 vCPU/GB for Containers	EA	\$ 1,439.51
LEIDOS	LEIDOS-COM-LARGE-CONTAI	Leidos Commercial Large Linux Container Application	Not to exceed: *30 large-sized VMs running constantly in a month (720 hours) *30 vCPU/GB for Containers	EA	\$ 4,842.55
LEIDOS	LEIDOS-COM-XLARGE-CONTA	Leidos Commercial Extra Large Linux Container Application	Not to exceed: *42 extra large-sized VMs running constantly in a month (720 hours) *42 vCPU/GB for Containers	EA	\$ 41,819.88
LEIDOS	LEIDOS-COM-MLARGE-CONT	Leidos Commercial Massively Large Windows Container Application	Not to exceed: *46 massively large-sized VMs running constantly in a month (720 hours) *46 vCPU/GB for Containers	EA	\$ 135,182.15
LEIDOS	LEIDOS-GOV-SMALL-WEB	Leidos GovCloud Linux Small Web Application	Not to exceed: *4 small-sized VMs running constantly in a month (720 hours) *1200 GBs of hard disk storage *30 GBs of object storage *1 Application Load Balancer running constantly in a month (720 hours) *300 GBs of Data Transfer Out per month *20 GBs of no-SQL *2 Web Application Firewall ACL rule changes/ million requests *20 GBs of MySQL Database	EA	\$ 675.33
LEIDOS	LEIDOS-GOV-MED-WEB	Leidos GovCloud Linux Medium Web Application	Not to exceed: *16 medium-sized VMs running constantly in a month (720 hours) *3000 GBs of hard disk storage *150 GBs of object storage *4 Application Load Balancer running constantly in a month (720 hours) *500 GBs of Data Transfer Out per month *120 GBs of no-SQL database *4 Web Application Firewall ACL rule changes/ million requests *120 GBs of MySQL database	EA	\$ 3,911.27



LEIDOS	LEIDOS-GOV-LARGE-WEB	Leidos GovCloud Linux Large Web Application	<p>Not to exceed:</p> <ul style="list-style-type: none"> *30 large-sized VMs running constantly in a month (720 hours) *10,000 GBs of hard disk storage *20,000 GBs of object storage *6 Application Load Balancer running constantly in a month (720 hours) *3000 GBs of Data Transfer Out per month *600 GBs of no-SQL Database *6 Web Application Firewall ACL rule changes/ million requests *600 GBs of MySQL Database 	EA	\$ 20,961.62
LEIDOS	LEIDOS-GOV-XLARGE-WEB	Leidos GovCloud Linux Extra Large Web Application	<p>Not to exceed:</p> <ul style="list-style-type: none"> *42 extra large-sized VMs running constantly in a month (720 hours) *30,000 GBs of hard disk storage *100,000 GBs of object storage *8 Application Load Balancer running constantly in a month (720 hours) *7500 GBs of Data Transfer Out per month *2000 GBs of no-SQL Database *12 Web Application Firewall ACL rule changes/ million requests *600 GBs of MySQL Database 	EA	\$ 84,413.60
LEIDOS	LEIDOS-GOV-MLARGE-WEB	Leidos GovCloud Linux Massively Large Web Application	<p>Not to exceed:</p> <ul style="list-style-type: none"> *46 massively large-sized VMs running constantly in a month (720 hours) *56,000 GBs of hard disk storage *300,000 GBs of object storage *8 Application Load Balancer running constantly in a month (720 hours) *37500 GBs of Data Transfer Out per month *7500 GBs of noSQL database *20 Web Application Firewall ACL rule changes/ million requests 	EA	\$ 290,477.25
LEIDOS	LEIDOS-GOV-SMALL-DATA	Leidos GovCloud Small Linux Analytics/ Big Data Application	<p>Not to exceed:</p> <ul style="list-style-type: none"> *4 small-sized VMs running constantly in a month (720 hours) *4 small-sized Elasticsearch VMs running constantly in a month (720 hours) *4 small-sized EMR VMs running constantly in a month (720 hours) 	EA	\$ 716.64



LEIDOS	LEIDOS-GOV-MED-DATA	Leidos GovCloud Medium Linux Analytics/ Big Data Application	Not to exceed: *16 medium-sized VMs running constantly in a month (720 hours) *16 medium-sized Elasticsearch VMs running constantly in a month (720 hours) *16 medium-sized EMR VMs running constantly in a month (720 hours)	EA	\$ 5,499.17
LEIDOS	LEIDOS-GOV-LARGE-DATA	Leidos GovCloud Large Linux Analytics/ Big Data Application	Not to exceed: *30 large-sized VMs running constantly in a month (720 hours) *30 large-sized data warehouse VMs running constantly in a month (720 hours) *30 large-sized Elasticsearch VMs running constantly in a month (720 hours) *30 large-sized big data VMs running constantly in a month (720 hours)	EA	\$ 20,405.23
LEIDOS	LEIDOS-GOV-XLARGE-DATA	Leidos GovCloud Extra Large Linux Analytics/ Big Data Application	Not to exceed: *42 extra large-sized VMs running constantly in a month (720 hours) *42 extra large-sized Elasticsearch VMs running constantly in a month (720 hours) *42 extra large-sized big data VMs running constantly in a month (720 hours)	EA	\$ 79,581.91
LEIDOS	LEIDOS-GOV-MLARGE-DATA	Leidos GovCloud Massively Large Windows Analytics/ Big Data Application	Not to exceed: *46 massively large-sized VMs running constantly in a month (720 hours) *46 massively large-sized data warehouse VMs running constantly in a month (720 hours) *46 massively large-sized Elasticsearch VMs running constantly in a month (720 hours) *46 massively large-sized big data VMs running constantly in a month (720 hours)	EA	\$ 542,949.53
LEIDOS	LEIDOS-GOV-SMALL-ETL	Leidos GovCloud Small ETL/Data Transformation Application	Not to exceed: *1 ETL job running constantly in a month (720 hours) *30 GB of object storage *20 GBs of Aurora Database *20 GBs of MySQL Database	EA	\$ 370.87
LEIDOS	LEIDOS-GOV-MED-ETL	Leidos GovCloud Medium ETL/Data Transformation Application	Not to exceed: *2 ETL jobs running constantly in a month (720 hours) *150 GB of object storage *120 GBs of Aurora Database *120 GBs of MySQL Database	EA	\$ 754.87
LEIDOS	LEIDOS-GOV-LARGE-ETL	Leidos GovCloud Large ETL/Data Transformation Application	Not to exceed: *8 ETL jobs running constantly in a month (720 hours) *20,000 GB of objects storage *600 GBs of Aurora Database *600 GBs of MySQL Database	EA	\$ 7,682.54



LEIDOS	LEIDOS-GOV-XLARGE-ETL	Leidos GovCloud Extra Large ETL/Data Transformation Application	Not to exceed: *16 ETL jobs running constantly in a month (720 hours) *100,000 GB of object storage *1000 GBs of Aurora Database *1000 GBs of MySQL Database	EA	\$ 31,499.05
LEIDOS	LEIDOS-GOV-MLARGE-ETL	Leidos GovCloud Massively Large ETL/Data Transformation Application	Not to exceed: *32 ETL jobs running constantly in a month (720 hours) *300,000 GB of object storage *20,000 GBs of Aurora Database *7500 GBs of MySQL Database	EA	\$ 119,916.11
LEIDOS	LEIDOS-GOV-SMALL-MIGR	Leidos GovCloud Small Cloud and Data Migration	Not to exceed: *4 database migration small-sized VMs running constantly in a month (720 hours)	EA	\$ 143.57
LEIDOS	LEIDOS-GOV-MED-MIGR	Leidos GovCloud Medium Cloud and Data Migration	Not to exceed: *8 database migration medium-sized VMs running constantly in a month (720 hours)	EA	\$ 580.94
LEIDOS	LEIDOS-GOV-LARGE-MIGR	Leidos GovCloud Large Cloud and Data Migration	Not to exceed: *12 database migration large-sized VMs running constantly in a month (720 hours)	EA	\$ 1,973.19
LEIDOS	LEIDOS-GOV-XLARGE-MIGR	Leidos GovCloud Extra Large Cloud and Data Migration	Not to exceed: *12 database migration extra large-sized VMs running constantly in a month (720 hours)	EA	\$ 13,421.70
LEIDOS	LEIDOS-GOV-MLARGE-MIGR	Leidos GovCloud Massively Large Cloud and Data Migration	Not to exceed: *12 database migration massively large-sized VMs running constantly in a month (720 hours)	EA	\$ 35,857.98
LEIDOS	LEIDOS-GOV-SMALL-DR	Leidos GovCloud Small Linux DR/Backup Application	Not to exceed: *4 small-sized VMs running constantly in a month (720 hours) *1200 GBs of hard disk storage *30 GBs of object storage	EA	\$ 565.58
LEIDOS	LEIDOS-GOV-MED-DR	Leidos GovCloud Medium Linux DR/Backup Application	Not to exceed: *16 medium-sized VMs running constantly in a month (720 hours) *3000 GBs of hard disk storage *150 GBs of object storage	EA	\$ 3,190.19



LEIDOS	LEIDOS-GOV-LARGE-DR	Leidos GovCloud Large Linux DR/Backup Application	Not to exceed: *30 large-sized VMs running constantly in a month (720 hours) *10,000 GBs of hard disk storage *20,000 GBs of object storage	EA	\$ 14,924.59
LEIDOS	LEIDOS-GOV-XLARGE-DR	Leidos GovCloud Extra Large Linux DR/Backup Application	Not to exceed: *42 extra large-sized VMs running constantly in a month (720 hours) *30,000 GBs of hard disk storage *100,000 GBs of object storage	EA	\$ 62,640.59
LEIDOS	LEIDOS-GOV-MLARGE-DR	Leidos GovCloud Massively Large Windows DR/Backup Application	Not to exceed: *46 massively large-sized VMs running constantly in a month (720 hours) *56,000 GBs of hard disk storage *300,000 GBs of object storage	EA	\$ 227,534.56
LEIDOS	LEIDOS-GOV-SMALL-DEV	Leidos GovCloud Small Linux Software Development/ CI/CD application	Not to exceed: *4 small-sized VMs running constantly in a month (720 hours) *1200 GBs of hard disk storage *30 GBs of object storage *1 Application Load Balancer running constantly in a month (720 hours)	EA	\$ 589.77
LEIDOS	LEIDOS-GOV-MED-DEV	Leidos GovCloud Medium Linux Software Development/ CI/CD application	Not to exceed: *16 medium-sized VMs running constantly in a month (720 hours) *3000 GBs of hard disk storage *150 GBs of object storage *4 Application Load Balancer running constantly in a month (720 hours)	EA	\$ 3,290.59
LEIDOS	LEIDOS-GOV-LARGE-DEV	Leidos GovCloud Large Linux Software Development/ CI/CD application	Not to exceed: *30 large-sized VMs running constantly in a month (720 hours) *10,000 GBs of hard disk storage *20,000 GBs of object storage *6 Application Load Balancer running constantly in a month (720 hours)	EA	\$ 15,074.87



LEIDOS	LEIDOS-GOV-XLARGE-DEV	Leidos GovCloud Extra Large Linux Software Development/ CICD application	Not to exceed: *42 extra large-sized VMs running constantly in a month (720 hours) *30,000 GBs of hard disk storage *100,000 GBs of object storage *8 Application Load Balancer running constantly in a month (720 hours)	EA	\$ 63,183.71
LEIDOS	LEIDOS-GOV-MLARGE-DEV	Leidos GovCloud Massively Large Linux Software Development/ CICD application	Not to exceed: *46 massively large-sized VMs running constantly in a month (720 hours) *56,000 GBs of hard disk storage *300,000 GBs of object storage *8 Application Load Balancer running constantly in a month (720 hours)	EA	\$ 198,444.44
LEIDOS	LEIDOS-GOV-SMALL-AAA	Leidos GovCloud Small Authorization and Authentication application	Not to exceed: *2 Domain Controllers	EA	\$ 0.14
LEIDOS	LEIDOS-GOV-MED-AAA	Leidos GovCloud Medium Authorization and Authentication application	Not to exceed: *4 Domain Controllers	EA	\$ 676.68
LEIDOS	LEIDOS-GOV-LARGE-AAA	Leidos GovCloud Large Authorization and Authentication application	Not to exceed: *16 Domain Controllers	EA	\$ 3,912.90
LEIDOS	LEIDOS-GOV-XLARGE-AAA	Leidos GovCloud Extra Large Authorization and Authentication application	Not to exceed: *45 Domain Controllers	EA	\$ 16,610.42
LEIDOS	LEIDOS-GOV-MLARGE-AAA	Leidos GovCloud Massively Large Authorization and Authentication application	Not to exceed: *100 Domain Controllers	EA	\$ 53,918.78
LEIDOS	LEIDOS-GOV-SMALL-STOR	Leidos GovCloud Small Storage and Archiving application	Not to exceed: *30 GBs of object storage *5000 GBs of Archive storage *300 GBs of Archive storage	EA	\$ 156.43
LEIDOS	LEIDOS-GOV-MED-STOR	Leidos GovCloud Medium Storage and Archiving application	Not to exceed: *150 GBs of object storage *25000 GBs of Archive storage *1500 GBs of Archive storage	EA	\$ 146,069.51
LEIDOS	LEIDOS-GOV-LARGE-STOR	Leidos GovCloud Large Storage and Archiving application	Not to exceed: *20,000 GBs of object storage *100,000 GBs of Archive storage *200,000 GBs of Archive storage	EA	\$ 9,098.04



LEIDOS	LEIDOS-GOV-XLARGE-STOR	Leidos GovCloud Extra Large Storage and Archiving application	Not to exceed: *100,000 GBs of object storage *300,000 GBs of Archive storage *1,000,000 GBs of Archive storage	EA	\$ 50,336.02
LEIDOS	LEIDOS-GOV-MLARGE-STOR	Leidos GovCloud Massively Large Storage and Archiving application	Not to exceed: *300,000 GBs of object storage *1,000,000 GBs of Archive storage *3,000,000 GBs of Archive storage	EA	\$ 146,069.51
LEIDOS	LEIDOS-GOV-SMALL-AIML	Leidos GovCloud Small Artificial Intelligence /Machine Learning Application	Not to exceed: *2000 activities on NLP Service *70 million Language Translation characters *8 medium-sized SageMaker Builder VMs running constantly in a month (720 hours) *8 medium-sized SageMaker Deployment VMs running constantly in a month (720 hours)	EA	\$ 927.43
LEIDOS	LEIDOS-GOV-MED-AIML	Leidos GovCloud Medium Artificial Intelligence /Machine Learning Application	Not to exceed: *25000 activities on NLP Service *300 million Language Translation characters *16 large-sized SageMaker Builder VMs running constantly in a month (720 hours) *16 large-sized SageMaker Builder VMs running constantly in a month (720 hours) *16 large-sized SageMaker Deployment VMs running constantly in a month (720 hours)	EA	\$ 4,637.13
LEIDOS	LEIDOS-GOV-LARGE-AIML	Leidos GovCloud Large Artificial Intelligence /Machine Learning Application	Not to exceed: *100,000 activities on NLP Service *1500 million Language Translation characters *12 extra large-sized SageMaker Builder VMs running constantly in a month (720 hours) *12 extra large-sized SageMaker Builder VMs running constantly in a month (720 hours) *12 extra large-sized SageMaker Deployment VMs running constantly in a month (720 hours)	EA	\$ 11,592.82
LEIDOS	LEIDOS-GOV-XLARGE-AIML	Leidos GovCloud Extra Large Artificial Intelligence /Machine Learning Application	Not to exceed: *300,000 activities on NLP Service *5000 million Language Translation characters *12 massively large-sized SageMaker Builder VMs running constantly in a month (720 hours) *12 massively large-sized SageMaker Builder VMs running constantly in a month (720 hours) *12 massively large-sized SageMaker Deployment VMs running constantly in a month (720 hours)	EA	\$ 46,371.27



LEIDOS	LEIDOS-GOV-MLARGE-AIML	Leidos GovCloud Massively Large Artificial Intelligence /Machine Learning Application	Not to exceed: *300,000 activities on NLP Service *5000 million Language Translation characters *12 massively large-sized SageMaker Builder VMs running constantly in a month (720 hours) *12 massively large-sized SageMaker Builder VMs running constantly in a month (720 hours) *12 massively large-sized SageMaker Deployment VMs running constantly in a month (720 hours)	EA	\$ 231,856.36
LEIDOS	LEIDOS-GOV-SMALL-HYBRID	Leidos GovCloud Small Hybrid Cloud Infrastructure	Not to exceed: *1 VPN Connection *50 Mbps of DirectConnet	EA	\$ 1.36
LEIDOS	LEIDOS-GOV-MED-HYBRID	Leidos GovCloud Medium Hybrid Cloud Infrastructure	Not to exceed: *4 VPN Connection *100 Mbps of DirectConnet	EA	\$ 25.27
LEIDOS	LEIDOS-GOV-LARGE-HYBRID	Leidos GovCloud Large Hybrid Cloud Infrastructure	Not to exceed: *20 VPN Connection *1000 Mbps of DirectConnet	EA	\$ 168.10
LEIDOS	LEIDOS-GOV-XLARGE-HYBRID	Leidos GovCloud Extra Large Hybrid Cloud Infrastructure	Not to exceed: *100 VPN Connection *5000 Mbps of DirectConnet	EA	\$ 556.69
LEIDOS	LEIDOS-GOV-MLARGE-HYBRI	Leidos GovCloud Massively Large Hybrid Cloud Infrastructure	Not to exceed: *300 VPN Connection *10000 Mbps of DirectConnet	EA	\$ 1,394.62
LEIDOS	LEIDOS-GOV-SMALL-IOT	Leidos GovCloud Small Internet-of-Things Application	Not to exceed: *400 thousand text records from Text Analytics	EA	\$ 463.71
LEIDOS	LEIDOS-GOV-MED-IOT	Leidos GovCloud Medium Internet-of-Things Application	Not to exceed: *2000 thousand text records from Text Analytics	EA	\$ 2,318.56
LEIDOS	LEIDOS-GOV-LARGE-IOT	Leidos GovCloud Large Internet-of-Things Application	Not to exceed: *5000 thousand text records from Text Analytics	EA	\$ 5,796.41
LEIDOS	LEIDOS-GOV-XLARGE-IOT	Leidos GovCloud Extra Large Internet-of-Things Application	Not to exceed: *20000 thousand text records from Text Analytics	EA	\$ 23,185.64
LEIDOS	LEIDOS-GOV-MLARGE-IOT	Leidos GovCloud Massively Large Internet-of-Things Application	Not to exceed: *100,000 thousand text records from Text Analytics	EA	\$ 115,928.18
LEIDOS	LEIDOS-GOV-SMALL-SVRLESS	Leidos GovCloud Small Serverless Application	Not to exceed: *0 million serverless compute requests *0 million API requests *30 GB of object storage *20 GB no-SQL database	EA	\$ 5.67



LEIDOS	LEIDOS-GOV-MED-SVRLESS	Leidos GovCloud Medium Serverless Application	Not to exceed: *1 million serverless compute requests *1 million API requests *150 GB of object storage *120 GB no-SQL database	EA	\$ 30.62
LEIDOS	LEIDOS-GOV-LARGE-SVRLESS	Leidos GovCloud Large Serverless Application	Not to exceed: *19 million serverless compute requests *19 million API requests *150 GB of object storage *120 GB no-SQL database	EA	\$ 2,250.24
LEIDOS	LEIDOS-GOV-XLARGE-SVRLES	Leidos GovCloud Extra Large Serverless Application	Not to exceed: *94 million serverless compute requests *94 million API requests *100,000 GB of object storage *2,000 GB no-SQL database	EA	\$ 11,135.26
LEIDOS	LEIDOS-GOV-MLARGE-SVRLE	Leidos GovCloud Massively Large Serverless Application	Not to exceed: *281 million serverless compute requests *281 million API requests *300,000 GB of object storage *7500 GB no-SQL database	EA	\$ 33,579.69
LEIDOS	LEIDOS-GOV-SMALL-CONTAIN	Leidos GovCloud Small Container Application	Not to exceed: *4 small-sized VMs running constantly in a month (720 hours) *4 vCPU/GB for Containers	EA	\$ 282.06
LEIDOS	LEIDOS-GOV-MED-CONTAIN	Leidos GovCloud Medium Container Application	Not to exceed: *16 medium-sized VMs running constantly in a month (720 hours) *16 vCPU/GB for Containers	EA	\$ 1,454.13
LEIDOS	LEIDOS-GOV-LARGE-CONTAIN	Leidos GovCloud Large Container Application	Not to exceed: *30 large-sized VMs running constantly in a month (720 hours) *30 vCPU/GB for Containers	EA	\$ 7,401.28
LEIDOS	LEIDOS-GOV-XLARGE-CONTA	Leidos GovCloud Extra Linux Container Application	Not to exceed: *42 extra large-sized VMs running constantly in a month (720 hours) *42 vCPU/GB for Fargate	EA	\$ 32,175.50
LEIDOS	LEIDOS-GOV-MLARGE-CONTA	Leidos GovCloud Large Linux Container Application	Not to exceed: *46 massively large-sized VMs running constantly in a month (720 hours) *46 vCPU/GB for Containers	EA	\$ 117,416.37

**10.0 TERMS AND CONDITIONS APPLICABLE TO PURCHASE OF
EARTH OBSERVATION SOLUTIONS (EOS) (SPECIAL ITEM NUMBER
541370GEO)**

10.1. SCOPE

- (a) The terms and conditions stated under Special Item Numbers 541370GEO Earth Observation Solutions apply exclusively to this SIN within the Information Technology Schedule.
- (b) This SIN is a solutions SIN, which involves services and products to include but not limited to imagery, subscriptions, software, platform and data as a service, and end-to-end data analytics. This SIN provides ordering activities with access to a wide range of Earth Observation Solutions.
- (c) Earth Observation Solutions provided shall comply with all certifications and industry standards as specified by ordering activity.
- (d) 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.

10.2 INFORMATION ASSURANCE/SECURITY REQUIREMENTS

- (a) The contractor shall meet information assurance and security requirements in accordance with the ordering activity requirements specified in the order and/or Blanket Purchase Agreement. 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) as applicable.
- (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 the SIN shall be capable of meeting at least the minimum security requirements assigned against a low-impact information system.
- (c) The ordering activity reserves the right to independently evaluate, audit, and verify the FISMA compliance for any proposed or awarded services. All FISMA certification, accreditation, and evaluation activities are the responsibility of the ordering activity.
- (d) Ordering activities are responsible for determining any additional information assurance and security related requirements based on the nature of the application and relevant mandates. This may include incorporation of the appropriate security forms (e.g., a DD-254) for any special clearance requirements and indoctrinations, such as Sensitive Compartmented Information (SCI). This may also include DOD Directives cited in specific orders and Blanket Purchase Agreements.

**10.0 TERMS AND CONDITIONS APPLICABLE TO PURCHASE OF EARTH OBSERVATION
SOLUTIONS (EOS) (SPECIAL ITEM NUMBER 541370GEO)**

10.3 STANDARDS COMPLIANCE

Vendor suitability for offering solutions through the Earth Observation Solutions SIN must be in accordance with the laws and standards when cited applicable to specific orders and Blanket Purchase Agreements. Offerings shall comply with cited Department of Defense (DoD) standards, Intelligence Community (IC) standards, Open Geospatial Consortium (OGC) standards (<http://www.opengeospatial.org/standards>), and other standards such as <https://nationalmap.gov/standards> stated as applicable in specific orders and Blanket Purchase Agreements.

10.4 TECHNICAL SERVICES

The Contractor, without additional charge to the ordering activity, shall provide a hot line technical support number for the purpose of providing user assistance and guidance in the implementation of any software provided.

Mark Broshkevitch
Geospatial Portfolio Manager
Monday-Friday 8:00-5:00 Eastern Time
703.676.9315

10.5 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 (MAY 2014) Rights in Data – General, may apply.

The Contractor shall comply with contract clause (52.204-21) to the Federal Acquisition Regulation (FAR) for the basic safeguarding of contractor information systems that process, store, or transmit Federal data received by the contract in performance of the contract. This includes contract documents and all information generated in the performance of the contract.

10-1.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO) LABOR CATEGORIES

10-1.1 Geospatial Specialist

General Summary

Analyzes geographic information about the earth's surface and the objects found on it as well as providing technical and analytical support to address issues such as environmental management, exploration, mining, etc. Duties may include compiling geographic data from a variety of sources including censuses, field observation, satellite imagery, aerial photographs, and existing maps as well as analyzing spatial data for geographic statistics to incorporate into documents and reports.

Responsible for leading some operations within an area that has significant impact on results. Responsible for assisting and training lower level support employees. Resolves unclear problems and issues faced, which may require understanding of broader set of issues.

Job Specifications

High School Diploma or other equivalent degree program, and three (3) years prior experience.

10-1.2 Geospatial Analyst I

General Summary

Analyzes geographic information about the earth's surface and the objects found on it as well as providing technical and analytical support to address issues such as environmental management, exploration, mining, etc. Duties may include compiling geographic data from a variety of sources including censuses, field observation, satellite imagery, aerial photographs, and existing maps as well as analyzing spatial data for geographic statistics to incorporate into documents and reports.

Works on day-to-day objectives with limited impact beyond the scope of own work area/ project team. Works under supervision on less complex projects/ assignments. Solves simple, routine technical problems following established procedures and policies. Develops products, solutions, processes using basic principles, theories and concepts within own technical specialty. Requires basic knowledge of and ability to apply principles, theories, and concepts of narrow technical domain.

Job Specifications

Bachelor's Degree or other equivalent degree program.

10-1.3 Geospatial Analyst II

General Summary

Analyzes geographic information about the earth's surface and the objects found on it as well as providing technical and analytical support to address issues such as environmental management, exploration, mining, etc. Duties may include compiling geographic data from a variety of sources including censuses, field observation, satellite imagery, aerial photographs, and existing maps as well as analyzing spatial data for geographic statistics to incorporate into documents and reports.

10-1.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO) LABOR CATEGORIES

Works to achieve day-to-day objectives with moderate impact on the area/ project team. Works independently on larger, moderately complex projects/assignments. May assist other technical staff with tasks and assignments.

Addresses somewhat complex technical issues/problems using internal best practice and through collaboration with colleagues. Develops solutions to technical problems that require depth of technical knowledge, but are typically limited in complexity. Requires working knowledge of and ability to apply standards, principles, theories, concepts, and techniques of technical domain.

Job Specifications

Bachelor's Degree or other equivalent degree program, and two (2) years prior experience.

10-1.4 Geospatial Analyst III

General Summary

Analyzes geographic information about the earth's surface and the objects found on it as well as providing technical and analytical support to address issues such as environmental management, exploration, mining, etc. Duties may include compiling geographic data from a variety of sources including censuses, field observation, satellite imagery, aerial photographs, and existing maps as well as analyzing spatial data for geographic statistics to incorporate into documents and reports.

Works independently to achieve day-to-day objectives with significant impact on operational results or project deliverables. Responsible for entire projects or processes within a technical area. Typically responsible for coaching and reviewing the work of lower level technical staff. Develops technical solutions that require collaboration with internal experts, deep analyses and understanding of impact on end-product/solution. Develops solutions to technical problems and issues that are unclear and require deep technical knowledge. Requires deep understanding of and ability to apply principles, theories, and concepts of technical domain and has broad understanding of other related specialty areas.

Job Specifications

Bachelor's Degree or other equivalent degree program, and four (4) years prior experience.

10-1.5 Geospatial Analyst IV

General Summary

Analyzes geographic information about the earth's surface and the objects found on it as well as providing technical and analytical support to address issues such as environmental management, exploration, mining, etc. Duties may include compiling geographic data from a variety of sources including censuses, field observation, satellite imagery, aerial photographs, and existing maps as well as analyzing spatial data for geographic statistics to incorporate into documents and reports.

Works to achieve key project/program objectives and deliverables. Responsible for entire projects or processes spanning multiple technical areas. Manages large projects or processes with moderate impact on the achievement of sub-family results. Develops solutions to complex technical issues and problems that impact multiple area or disciplines. Regularly employs ingenuity and creativity to develop new technical solutions and systems in order to achieve

functional objectives. Requires expert knowledge of and ability to apply advanced technical principles, theories, and concepts.

Job Specifications

Bachelor's Degree or other equivalent degree program, and eight (8) years prior experience.

10-1.6 Geospatial Analyst V

General Summary

Analyzes geographic information about the earth's surface and the objects found on it as well as providing technical and analytical support to address issues such as environmental management, exploration, mining, etc. Duties may include compiling geographic data from a variety of sources including censuses, field observation, satellite imagery, aerial photographs, and existing maps as well as analyzing spatial data for geographic statistics to incorporate into documents and reports.

Influences development of solutions that impact strategic project/program goals and business results. Recommends and develops new technical solutions, products, and/or standards in support of functions strategy and operations. Leads and manages works of other technical staff that has significant impact on project results/outputs. Resolves highly complex problems using significant application of technical knowledge, conceptualizing, reasoning and interpretation. Develops solutions that are highly innovative, and achieved through research and integration of best practices. Has in-depth understanding of technical principles, theories, concepts and their application across range of programs. Serves as a subject matter expert within technical domain area.

Job Specifications

Bachelor's Degree or other equivalent degree program, and twelve (12) years prior experience.

10-1.7 Geospatial Manager I

General Summary

Analyzes geographic information about the earth's surface and the objects found on it as well as providing technical and analytical support to address issues such as environmental management, exploration, mining, etc. Duties may include compiling geographic data from a variety of sources including censuses, field observation, satellite imagery, aerial photographs, and existing maps as well as analyzing spatial data for geographic statistics to incorporate into documents and reports.

Provides measurable input to new products, processes or standards in operational plans in order to implement organizational strategies. May manage certain processes or projects within a defined budget set by management. Problems and issues faced are unclear, and may require understanding of broader set of issues, and may be difficult. Problems typically involve multiple requirements or customers. Manages a small to mid-sized team consisting of experienced professionals. Leads, directs and reviews the work of team who exercise latitude and independence in their assignments. Requires practical knowledge in leading and managing the execution of processes, projects and tactics within one area. Typically has advanced knowledge and skills within a specific technical or professional discipline with understanding of the impact of work on other areas of the organization.

Job Specifications

Bachelor's Degree or other equivalent degree program, and five (5) years prior experience.

10-1.8 Administrative Support

General Summary

Provides administrative-type support to technical and management-level personnel. This includes, but is not limited to, documentation planning and support, project administration, general office support, executive secretarial support, human resource planning, event planning and administration, office relocation planning, etc.

Principal Duties and Responsibilities

1. Specializes in coordinating and planning office administration and support.
2. Reports directly to a client, usually at the client location, to support its operations as required.
3. Understands and provides documentation planning and support, project administration, general office support, executive secretarial support, human resource planning, event planning and administration, office relocation planning, etc. required in changing office environments.
4. May perform other duties as assigned.

Job Specifications

High School Diploma or G.E.D. or other equivalent degree program.

10-1.9 Computer Operator

General Summary

Operates computer systems and peripheral equipment where site-specific operating procedures are not will defined or are unusually complex. May be lead for small operations requirements.

Principal Duties and Responsibilities

1. Monitor and control a computer by operating the central console or on line terminal in accordance with established routines.
2. Required to adapt to a variety of non-standard procedures that may include the introduction of new programs and equipment.
3. Assist in determining equipment settings and operating instructions for unique, non-standard processing. Continuously observe the operation of the equipment, resolving any deviations from standard.
4. May assist in manipulating controls to rearrange sequence of job steps and reroute processing in non-standard methods to quickly resolve problems potentially involving loss of critical data and to continue operations when individual units of the system malfunction.
5. Operate computer systems and peripheral equipment, conforming to unique, non-standard site specific operating procedures.

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6. Monitor and control a computer by operating the central console or on line terminal in accordance with established routines.
7. Maintain records regarding output units and supply inventories.
8. Must be familiar with all normal operating procedures and capable of implementing non-standard, unique, complex procedures independently.

Job Specifications

High School Diploma or equivalent and four (4) years' experience in operating medium or large scale computer systems. If assigned a task or functional lead position, twelve (12) months supervising personnel operating computer systems. Directly related technical education/training may be substituted on the basis of one (1) month of education/training for one (1) month of general experience not to exceed twelve (12) months. No further substitution of education for experience is permitted.

10-1.10 Computer System/Network Engineer

General Summary

Engineering large complex computer systems and/or networks. Applies theories and principles of science or mathematics to the design of hardware, operating systems, networks and processes to solve technical problems. Systems may involve multiple protocols and interfaces, satellite communications, digital or fiber optic networks, etc.

Principal Duties and Responsibilities

1. Plan designs or redesign of systems, management and coordination.
2. Test and analyze all elements of the network facilities including power, software, communications devices, lines, modems and terminals.
3. Insure the overall integration of the enterprise network.
4. Monitor and control the performance and status of the network resources.
5. Utilize software and hardware tools, identify and diagnose highly complex problems and factors affecting network performance.
6. Maintain technical currency and study vendor products to determine which best meet client needs.
7. Provide guidance and direction to network support technicians.
8. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.

Job Specifications

Bachelor's degree from an accredited college or university in computer science, or engineering discipline and seven (7) years of increasingly complex and progressive experience in computer system/network engineering and design. Three (3) years of specialized experience related to hardware, operating systems and/or network systems specified in the task. If proposed as a Task Leader, twelve (12) months experience supervising computer or network operations personnel. Must also be a certified network engineer if required by the task. Five (5) years of specific job related experience or eight (8) years of general related experience may be

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substituted for the Bachelor's degree requirement or a Master's degree in an appropriate discipline may be substituted for two (2) years of general experience.

10-1.11 Cost Analyst

General Summary

Performs Functional Economic Analysis (FEA) to evaluate the costs of alternative ways to accomplish functional objectives.

Principal Duties and Responsibilities

1. The FEA states investment costs, benefits, and risks as a net change to the functional baseline cost, the cost of doing business now and in the future.
2. Ensures that cross-functional, security, and other integration issues are addressed.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

10-1.12 Data Entry/Analyst I

General Summary

Performs as a functional area expert for specialized applications and operational environments, knowledge of computer systems and ability to analyze problems to satisfy task order requirements.

Principal Duties and Responsibilities

1. Provides technical knowledge and analysis of specialized applications and operational environments, and advice on problems which require knowledge of the subject matter for effective solutions.
2. Applies principles, methods and knowledge of the functional area of expertise to specific task order requirements. Assists in the design and preparation of technical reports and related documentation.
3. Assist in the preparation and presentations and briefings as required by the task order. Responsibilities include providing documentation planning and support, project administration, general office support, entering data into database management computer systems for various functional areas to include web usage, GIS applications, patient appointing, medical coding/auditing, medical billing, referral management, medical transcription, etc. Works under general supervision.

Job Specifications

High School degree or equivalent. Requires three (3) years of general experience. Associates degree can be substituted for three (3) years' experience.

10-1.13 Data Entry/Analyst II

General Summary

Performs as a functional area expert for specialized applications and operational environments, knowledge of computer systems and ability to analyze complex problems to satisfy task order requirements. Possesses the ability to assume increasing responsibilities in the functional area

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activities such as web usage, GIS application reports and is knowledgeable of applicable functional standards and provides general technical support.

Principle Duties and Responsibilities

1. Provides technical knowledge and analysis of specialized applications and operational environments, and advice on problems which require knowledge of the subject matter for effective solutions.
2. Applies principles, methods and knowledge of the functional area of expertise to specific task order requirements. Designs and prepares technical reports and related documentation. Prepares and delivers presentations and briefings as required by the task order.
3. Responsibility includes coordinating and managing new functional area systems upgrades and entering data into database management computer systems for various functional areas to include providing documentation planning and support, project administration, general office support, patient appointing, medical coding/auditing, medical billing, referral management, medical transcription, etc. Works independently under minimal supervision.

Job Specifications

High School degree or equivalent and six (6) years general experience. Associates degree can be substituted for three (3) years' experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

10-1.14 Data Entry/Analyst III

General Summary

Performs as a functional area expert for specialized applications and operational environments, knowledge of computer systems and ability to analyze complex problems to satisfy task order requirements. Possesses the ability to assume increasing responsibilities in the functional area activities and is knowledgeable of applicable functional standards and provides general technical support. Is capable of implementing functional area projects and performing business practice analysis.

Principle Duties and Responsibilities

1. Provides technical knowledge and analysis of specialized applications and operational environments, and advice on problems which require knowledge of the subject matter for effective solutions.
2. Applies principles, methods and knowledge of the functional area of expertise to specific task order requirements. Designs and prepares technical reports and related documentation. Prepares and delivers presentations and briefings as required by the task order.
3. Responsibility includes providing documentation planning and support, project administration, general office support, constructing database management systems, providing technical leadership for functional area analysis, coordinating and managing new functional area systems upgrades, and entering data into database management computer systems for various functional areas to include web usage, GIS applications, patient appointing, medical coding/auditing, medical billing, referral management,

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medical transcription, etc. Possesses the ability to work independently and provides supervision to staff.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. Associates degree can be substituted for three (3) years' experience. With a Master's degree, three (3) years of general experience is required.

10-1.15 Data Warehouse Specialist I

General Summary

Performs as a Data Warehouse Developer on large-scale database management systems. Knowledge of computer equipment and ability to develop complex software to satisfy design objectives including GIS data warehousing, spatial data library management, conducting spatial data queries, Cloud Optimized Storage (COS), Storage as a Service, Infrastructure as a Service (IAAS) and Data Multi-tenancy concepts.

Principal Duties and Responsibilities

1. Analyzes functional business applications and design specifications for functional activities.
2. Develops block diagrams and logic flow charts.
3. Translates detailed design into computer software.
4. Prepares required documentation, including both program-level and user-level documentation.
5. Demonstrated ability to work independently with minimal supervision.

Job Specifications

Bachelor's degree or equivalent and one (1) year of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

10-1.16 Data Warehouse Specialist II

General Summary

Utilizes multidimensional database(s) on large-scale database management systems, uses OnLine Analytical Processing (OLAP) Access Tool, and ability to develop complex software to satisfy design objectives including spatial data modeling, GIS data management, Cloud Optimized Storage (COS), Storage as a Service, Infrastructure as a Service (IAAS) and Data Multi-tenancy.

Principal Duties and Responsibilities

1. Analyzes and develops functional business applications and design specifications for functional activities.
2. Tests, debugs, and refines the computer software to produce the required product.
3. Enhances software to reduce operating time or improve efficiency.

4. Demonstrated ability to work independently under minimal supervision.

Job Specifications

Bachelor's degree or equivalent and three (3) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree one (1) year of general experience is required.

10-1.17 Data Warehouse Specialist III

General Summary

Performs as a Data Warehouse Developer using OLAP tools on large-scale database management systems, knowledge of computer equipment, and ability to develop complex software to satisfy design objectives including spatial data modeling, GIS data management, Cloud Optimized Storage (COS), Storage as a Service, Infrastructure as a Service (IAAS) and Data Multi-tenancy concepts.

Principal Duties and Responsibilities

1. Analyzes and develops computer software processing a wide range of capabilities, including data warehouse technologies, business data model, Executive Information Management, and Decision Support System.
2. Analyzes user interfaces, maintain hardware and software performance tuning, analyze workload and computer usage, maintain interfaces with outside systems, analyze proposed system modifications, upgrades and new COTS.
3. Provides technical direction to junior staff.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

10-1.18 Data Warehouse Specialist IV

General Summary

Performs as a Data Warehouse Developer/Administrator on large-scale database management systems, knowledge of computer equipment, and ability to develop complex software to satisfy design objectives. Possesses ability to assume increasing responsibilities in data mart information system design and management including Spatial data modeling, GIS data management, GIS workflow modeling, Cloud Optimized Storage (COS) modeling, Storage as a Service design, Infrastructure as a Service (IAAS) and Data Multi-tenancy data segregation modeling.

Principal Duties and Responsibilities

1. 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, and for progress in accordance with schedules.

2. Coordinates with Project and/or Program Manager to ensure problem solution and user satisfaction.
3. Makes recommendations, if needed, for approval of major systems installations.
4. Prepares milestone status reports and deliveries/presentations on the system concept to colleagues, subordinates, and end user representatives.
5. Provides daily supervision and technical direction to staff to ensure program deadlines are met.

Job Specifications

Bachelor's degree or equivalent and seven (7) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, five (5) years of general experience is required. With a PhD, 3 year of general experience is required.

10-1.19 Data Warehouse Specialist V

General Summary

Performs as a Data Warehouse Developer/Administrator on large-scale database management systems, knowledge of computer equipment and ability to develop complex software to satisfy design objectives. Possesses ability to assume increasing responsibilities in enterprise data warehouse project information system design and management including spatial data modeling, enterprise GIS data management, enterprise GIS design and enterprise spatial data integration, Cloud Optimized Storage (COS) modeling, Storage as a Service design, Infrastructure as a Service (IAAS) and Data Multi-tenancy data segregation modeling.

Principal Duties and Responsibilities

1. Applies an enterprise-wide set of data warehouse disciplines for the planning, analysis, data refinement, design and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise.
2. Develops analytical and computational techniques and methodology for problem solutions.
3. Performs enterprise-wide strategic systems planning, business information planning, business and analysis.
4. Provides daily supervision and direction to organization.

Job Specifications

Bachelor's degree or equivalent and nine (9) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, seven (7) years of general experience is required. With a PhD, five (5) years of general experience is required.

10-1.20 Draftsman

General Summary

Develops engineering drawings, using computer-based drawing packages.

Principal Duties and Responsibilities

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1. Develops engineering drawings for site plans, electrical interconnects, mechanical plans for specialized hardware, etc.

Job Specifications

High School Diploma or equivalent and three (3) years' experience. With High School Diploma or equivalent and a training program, one (1) year of general experience is required. There is no experience substitution for a High School Diploma, however a G.E.D., other degree equivalency program, or a technical trade school certificate is acceptable. With a Bachelor's degree no experience is required.

10-1.21 Enterprise Consultant

General Summary

Deploys enterprise-wide system management tools. Performs ongoing operation issues and has the capability to manage systems. Has a good understanding of complex, multi-platform information technology (IT) infrastructure operations, processes and tools. Deploy architected solution and ability to solve unanticipated complications in the field including enterprise geospatial design, GIS architecture, geospatial workflow management, GIS database design, ESRI, Oracle Spatial, SQL Server, MapInfo, quality assurance, FGDC, OGIS, OGC and other GIS standards. Also has a good understanding of Cloud Deployment Models (Public, Private, Hybrid, Community), Cloud Delivery Services (Software as a Service [SAAS], Platform as a Service [PAAS] and Infrastructure as a Service [IAAS]), hypervisors and virtualization.

Principal Duties and Responsibilities

1. Deploy and document enterprise management solutions for complex heterogeneous IT environments.
2. Integrate systems, network and help desk tools into an integrated IT solution.
3. Provide hardware and software tool selection analysis and recommendations.
4. Lead technical teams with diverse areas of specialization to implement multiple software management tools either sequentially or in parallel.
5. May be responsible for designing new Cloud Computing environments and/or planning transition/migration from an existing Data Center to a Cloud Computing Environment.
6. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
7. May perform other duties as assigned

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, two (2) years of general experience is acceptable. With a PhD, no experience is required.

10-1.22 ERP Consultant I

General Summary

**10-1.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO)
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Performs evaluation and implementation tasks for Enterprise Resource Planning (ERP) and ERP-related software products by applying product knowledge, industry experience, and project methodology.

Principal Duties and Responsibilities

1. Provides knowledge of specific software product modules or technical tools with hands-on experience and has the ability to transfer knowledge and skill.
2. Familiar with key business roles and knowledgeable about applying technology to business operations in at least one industry.
3. Applies industry knowledge, knowledge of area of expertise,* and product knowledge to gather and document customer business process requirements.
4. Develops or executes basic functional and technical specifications and testing for system configuration, mapping, and reporting.
5. Executes project plan tasks and other duties as assigned. Provides regular status on tasks and issues.

* Areas of Expertise: Functional Area (HRMS, Financials, Distribution, Manufacturing, Student Admin), Tools Development, Web Development, and Technical Infrastructure.

Job Specifications

Bachelor's degree or equivalent and one (1) year of general business experience. Six years of general experience is equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

10-1.23 ERP Consultant II

General Summary

Performs evaluation and implementation tasks for Enterprise Resource Planning (ERP) and ERP-related software products using broad industry experience including industry best practices, and extensive product knowledge. Adapts project methodology as needed.

Principal Duties and Responsibilities

1. Provides knowledge of an entire functional area or other area of expertise* with hands-on experience in multiple modules and has the ability to transfer knowledge and skill.
2. Accomplished at professional level roles and knowledgeable about applying technology to business operations in at least one industry.
3. Applies industry best practices and product knowledge in developing tools to lead requirements gathering sessions for individual modules and makes specific business process recommendations.
4. Develops or executes functional and technical specifications and testing for advanced system configuration, interfaces, installation and modifications.
5. Executes project plan tasks and other duties as assigned. Provides regular status on tasks and issues. Provides input to project plan and resource requirements.

- * Areas of Expertise: Functional Area (HRMS, Financials, Distribution, Manufacturing, Student Admin), Tools Development, Web Development, and Technical Infrastructure.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general business experience. Six years of general experience is equivalent to a Bachelor's degree. With a Master's degree, one (1) year of general experience is required. With a PhD, no experience is required.

10-1.24 ERP Consultant III

General Summary

Performs evaluation and implementation tasks for Enterprise Resource Planning (ERP) and ERP-related software products using broad industry experience, including industry best practices and extensive product knowledge. Leads parts of the project and creates project methodology as needed.

Principal Duties and Responsibilities

1. Provides knowledge of multiple functional areas or other areas of expertise* with hands-on experience in multiple modules or vendors and has the ability to transfer knowledge and skill.
2. Accomplished at several professional level roles and knowledgeable about applying technology to business operations in multiple industries.
3. Applies industry best practices, product knowledge, and experience to lead overall business requirements gathering sessions and makes overall business process recommendations.
4. Develops or executes functional and technical specifications and testing for complex interfaces, module integration, system extensions, and reporting systems.
5. Executes project plan tasks and other duties as assigned. Provides regular status on tasks and issues. Coordinates resources and occasionally assumes project management responsibilities.

- * Areas of Expertise: Functional Area (HRMS, Financials, Distribution, Manufacturing, Student Admin), Tools Development, Web Development, and Technical Infrastructure.

Job Specifications

Bachelor's degree or equivalent and three (3) years of ERP implementation experience or four (4) years of general business experience. Six years of general experience is equivalent to a Bachelor's degree. With a Master's degree, two (2) years of general business experience is required. With a PhD, no experience is required.

10-1.25 Functional Analyst

General Summary

Applies broad knowledge and experience to complex requirements. Develops, designs and performs feasibility studies and functional systems analysis for complex integrated information management systems. Must be able to work independently.

Principal Duties and Responsibilities

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1. Configuration Management Support for complex integrated management systems while maintaining quality assurance.
2. Provide business process re-engineering support such as, but not limited to, design of alternative strategies, development and monitoring of functional tests and assistance in the implementation of solutions.
3. Provide fiscal support as well as security analysis, human factor analysis and data analysis support.
4. May perform other duties as assigned.

Job Specifications

Bachelor's degree in a related curriculum and five (5) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree.

10-1.26 Functional Specialist

General Summary

Applies specific knowledge and experience to complex issues. Develops functional requirements relating to complex integrated information technology systems. Must demonstrate the ability to work independently or under only general direction.

Principal Duties and Responsibilities

1. Develop and provide skills and disciplines on a variety of information technology issues.
2. Assist Program Managers, Systems Analysts, Engineers and Programmers to ensure successful continuity and program completion.
3. Specialized skills include, but are not limited to, information planning, communications, systems administrations, quality assurance, video teleconferencing and microcomputer training.

Job Specifications

Bachelor's degree in a related curriculum and ten (10) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree.

10-1.27 Hardware/Software Installation Technician

General Summary

Conducts sites surveys; assesses and documents current site configuration and user requirements and installs new configurations such as operations systems, databases, ESRI, ArcGIS, ArcSDE, ArcServer, Image Server and Apache Tomcat.

Principal Duties and Responsibilities

1. Designs and optimize network topologies.
2. Analyzes existing requirements and prepares specifications for hardware/software acquisitions.

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3. Prepares engineering plans and site installation Technical Design Packages.
4. Develops hardware/software installation schedules.
5. Prepares drawings documenting configuration changes at each site.
6. Prepares site installation and test reports.
7. Configures systems, communications devices, and peripheral equipment.
8. Installs network hardware/software.
- 10-1. Trains site personnel in proper use of hardware/software.
10. Builds specialized interconnecting cables.
11. May be responsible for installing deal-stack IPv4/Internet Protocol version 6 (IPv6) networks.

Job Specifications

High School Diploma or equivalent and two (2) years of general experience. There is no experience substitution for a High School Diploma; however a G.E.D., other degree equivalency program, or a technical trade school certificate is acceptable. With a Bachelor's degree no experience is required.

10-1.28 Hardware/Software Specialist I

General Summary

Reviews computer systems in terms of machine capabilities and man-machine interface. Prepares reports and studies concerning hardware/software for systems and applications such as ESRI, ArcGIS, ArcSDE, ArcServer, Image Server, Apache Tomcat, Virtual Desktop Infrastructure (VDI), Software delivered as a Service, and the Cloud Essential Infrastructure Stack (Hypervisor, Compute, Storage and Network).

Principal Duties and Responsibilities

1. Prepares functional requirements and specifications for hardware/software acquisitions.
2. Ensures that problems have been properly identified and solutions will satisfy the user's requirements.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

10-1.29 Hardware/Software Specialist II

General Summary

Reviews computer systems in terms of machine capabilities and man-machine interface. Prepares reports and studies concerning hardware/software for systems and applications such as ESRI, ArcGIS, ArcSDE, ArcServer, Image Server, Apache Tomcat, Virtual Desktop Infrastructure (VDI), Software delivered as a Service, and the Cloud Essential Infrastructure Stack (Hypervisor, Compute, Storage and Network).

Principal Duties and Responsibilities

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1. Prepares functional requirements and specifications for hardware/software acquisitions.
2. Ensures that problems have been properly identified and solutions will satisfy the user's requirements.

Job Specifications

Bachelor's degree or equivalent and five (5) years general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

10-1.30 Hardware/Software Specialist III

General Summary

Reviews computer systems in terms of machine capabilities and man-machine interface. Prepares reports and studies concerning hardware/software for systems and applications such as ESRI, ArcGIS, ArcSDE, ArcServer, Image Server, Apache Tomcat, Virtual Desktop Infrastructure (VDI), Software delivered as a Service, and the Cloud Essential Infrastructure Stack (Hypervisor, Compute, Storage and Network).

Principal Duties and Responsibilities

1. Prepares functional requirements and specifications for hardware/software acquisitions.
2. Ensures that problems have been properly identified and solutions will satisfy the user's requirements.

Job Specifications

Bachelor's degree or equivalent and eight (8) years general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

10-1.31 Help Desk Manager

General Summary

Manages the help desk function and personnel.

Principal Duties and Responsibilities

1. Provides daily supervision and direction to staff that are responsible for phone and in-person support to users in the areas of e-mail, directories, standard Windows desktop applications, and applications developed or deployed under this contract.
2. Serves as the first point-of-contact for troubleshooting hardware/software, PC, and printer problems.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree four (4) years of general experience is required. With a PhD, two (2) years of general experience is required.

10-1.32 Help Desk Specialist

General Summary

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Serves as the initial point-of-contact for troubleshooting hardware/software, PC, and printer problems.

Principal Duties and Responsibilities

1. Provides phone and in-person support to users in the areas of e-mail, directories, standard Windows desktop applications, and applications developed under this contract or predecessors.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

10-1.33 Information Engineer I

General Summary

Performs as an applications programmer on large-scale database management systems, knowledge of computer equipment, and ability to develop complex software to satisfy design objectives for requirements such as GIS data / metadata standards, Cloud Computing multi-tenancy data, data virtualization strategies for delivering Storage as a Service, and Platform as a Service information management

Principal Duties and Responsibilities

1. Analyzes application software and design specifications for information process activities.
2. Develops block diagrams and logic flow charts.
3. Translates detailed design into application software.
4. Tests, debugs, and refines the application software to produce the required product. Prepares required documentation, including both program-level and user-level documentation.
5. May serve as Tier 1 support to users and involved with trouble-shooting system operations.
6. Works under general supervision.

Job Specifications

Pursuing a Bachelor's degree or equivalent and one (1) year of general experience. Three (3) years of general experience is equivalent to pursuing a Bachelor's degree. With a Bachelor's degree, no experience is required.

10-1.34 Information Engineer II

General Summary

Works with Ada, SQL, JAVA, .NET, ArcXML, ArcIMS, ArcSDE, Oracle Spatial, third/fourth generation languages, XML, SOAP, REST, resource pooling, and rapid elasticity in the design and implementation of systems and using database management systems. Possesses ability to assume increasing responsibilities in information engineering activities. Knowledgeable of applicable standards and provides general technical support.

Principal Duties and Responsibilities

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1. Analyzes and studies complex information system requirements.
2. Designs software tools and subsystems to support software reuse and domain analyses and manages their implementation.
3. Manages software development and support using formal specifications, data flow diagrams, other accepted design techniques and Computer Aided Software Engineering (CASE) tools.
4. Provides input to estimate software development costs and schedule. Reviews existing programs and assists in making refinements, reducing operating time, and improving current techniques.
5. May manage, coordinate, or install system upgrades. Uses diagnostic software to test and isolate ADPE to validate functionality.
6. May provide system analysis and integration and oversee system operations.
7. Often assists with monitoring system performance and security and sets up terminal/printer queues. Provides in-service support for proper use of system software, hardware, or applications and provides Tier 1 technical support for ADPE.
8. Works independently under minimal supervision.

Job Specifications

Bachelor's degree or equivalent and one (1) year of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

10-1.35 Information Engineer III

General Summary

Performs information systems development, functional and data requirements analysis, systems analysis and design, programming, program design, program in .net and JAVA, system upgrades and documentation preparation. Implements information engineering projects, systems analysis, design and programming using CASE and IE tools and methods, systems planning, geospatial information management, Cloud Computing resource pooling for multi-tenancy planning, Cloud Computing Information Lifecycle Management, business information planning, and business analysis.

Principal Duties and Responsibilities

1. Applies business process improvement practices to re-engineer methodologies/principles and business process modernization projects.
2. Applies, as appropriate, activity and data modeling, transaction flow analysis, internal control and risk analysis and modern business methods and performance measurement techniques.
3. Assists in establishing standards for information systems procedures.
4. Develops and applies organization-wide information plans and models for use in designing and building integrated, shared software and database management systems.

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5. Constructs logical business improvement opportunities consistent with corporate Information Management guiding principles, cost savings, and open system architecture objectives.
6. Manages planned projects for overall installation of application and network systems.
7. Develops action plans with milestones for system upgrades.
8. Provides technical leadership for analysis, integration and support of new products, interfaces and performance enhancements. Analyzes and resolves system software issues.
9. Administers accounts and system access as needed.
10. Assists with the development of training curriculum for customer orientation and use of new and improved systems.
11. Also assists with application customization through process analysis and workflow development including advising customers of database file and table configuration best practices.
12. Possesses the ability to work independently.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

10-1.36 Information Engineer IV

General Experience

Performs systems management, development, functional and data requirements analysis, systems analysis and design, programming, program design, including GIS, spatial data, Cloud Computing federated and multi-tenant data and documentation preparation. Manages the implementation of information engineering projects and performs systems analysis, design and programming selecting CASE or IE tools and methods, e.g., Oracle CASE, IEF CASE, I-CASE. Works in the client/server environment and distributed environments based on SOA and Cloud Computing environments (Public, Private, Hybrid, Community). Utilizes managerial and supervisory skills. Prepares written and oral communications, including giving formal presentations to different audiences.

Principal Duties and Responsibilities

1. Applies an enterprise-wide set of disciplines for the management, planning, analysis, design and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise.
2. Develops analytical and computational techniques and methodology for problem solutions.
3. Performs enterprise-wide strategic systems planning, business information planning, business and analysis.

4. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated tools; such as Integrated Computer-Aided Software Engineering (I-CASE) tools.
5. Applies reverse engineering and re-engineering disciplines to develop migration strategic and planning documents.
6. Utilizes various methodologies, e.g., IDEF 0 process modeling and IDEF 1X data modeling.
7. Manages and coordinates planned system and implementation activities including system upgrades, security, allocation of resources, availability, and in-service training.
8. Manages tasks, priorities and objectives.
9. Responsible for customer support and quality and timeliness of services.
10. Provides daily supervision and direction to staff.

Job Specifications

Bachelor's degree or equivalent and seven (7) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, five (5) years of general experience is required. With a PhD, 3 year of general experience is required.

10-1.37 Information Engineer V

General Summary

Performs information systems management, development, functional and data requirements analysis, geospatial data modeling, Cloud Computing data modeling, systems analysis and design, programming, program design, and documentation preparation. Manages the implementation of information engineering projects and experience in systems analysis, geospatial process workflow management, GIS system design, Cloud Computing Delivery/Deployment multi-tenant system design, creation of Cloud Services to provide data on demand and programming using CASE and IE tools and methods, e.g., Oracle CASE, IEF CASE, I-CASE. and distributed environments based on SOA and Cloud Computing environments (Public, Private, Hybrid, Community). Utilizes managerial and supervisory skills. Prepares written and oral communications skills, including giving formal presentations to different audiences.

Principal Duties and Responsibilities

1. Applies an enterprise-wide set of disciplines for the management, planning, coordination, analysis, design, and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise.
2. Develops analytical and computational techniques and methodology for problem solutions.
3. Performs enterprise-wide strategic systems planning, business information planning, business and analysis.

4. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated tools; such as Integrated Computer-Aided Software Engineering (I-CASE) tools.
5. Applies reverse engineering and re-engineering disciplines to develop migration strategic and planning documents. Familiar with various methodologies, e.g., IDEF 0 process modeling and IDEF 1X data modeling.
6. Controls and maintains technical documents.
7. Provides daily supervision and technical guidance in software engineering and system operational techniques and automated support tools to local and remote supporting staff.
8. Advises customers on database file and table build configuration best practices.
9. Manages and coordinates planned system and implementation activities including system upgrades, security, allocation of resources, availability, and in-service training.
10. Manages tasks, priorities and objectives.
11. Assists in the development and implementation of site policies and procedures.
12. May provide train-the-trainer and ad hoc report writing training and assistance.
13. Responsible for customer support and quality & timeliness of services.

Job Specifications

Bachelor's degree or equivalent and nine (9) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, seven (7) years of general experience is required. With a PhD, five (5) years of general experience is required.

10-1.38 Internet/Intranet Specialist I

General Summary

Performs system analysis and design techniques for Internet or Intranet development, which may include Hypertext Markup Language (HTML), Hypertext Transfer Protocol (HTTP), Extensible Markup Language (XML), Internet Protocol version 6 (IPv6), Simple Object Access Protocol (SOAP), Representational State Transfer (REST), Web Services Description Language (WSDL), Universal Description, Discovery and Integration (UDDI), Web Services Security (WS-Security) standards and Common Gateway Interface (CGI).

Principal Duties and Responsibilities

1. Analyzes and develops Internet/Intranet application software processing wide range of capabilities, including numerous engineering, business, and network traffic management functions.
2. Works independently or under general direction.

Job Specifications

Bachelor's degree or equivalent and one (1) year of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

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10-1.39 Internet/Intranet Specialist II

General Summary

Performs system analysis and design techniques for Internet or Intranet development and distribution to remote sites using various technologies, which may include Hypertext Markup Language (HTML), Hypertext Transfer Protocol (HTTP), Extensible Markup Language (XML), Internet Protocol version 6 (IPv6), Simple Object Access Protocol (SOAP), Representational State Transfer (REST), Web Services Description Language (WSDL), Universal Description, Discovery and Integration (UDDI), Web Services Security (WS-Security) standards, , FrontPage, Safari, Internet Explorer, iPhone Software Development Kit (SDK) and Netscape software.

Principal Duties and Responsibilities

1. Develops and applies organization-wide information models for use in designing and building integrated, shared software, and database management systems.
2. Constructs sound, logical business improvement opportunities consistent with corporate Information Management guiding principles, cost savings, and open system architecture objectives.
3. Provides daily supervision and direction to junior staff.

Job Specifications

Bachelor's degree or equivalent and three (3) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, one (1) year of general experience is required. With a PhD, no experience is required.

10-1.40 Internet/Intranet Specialist III

General Summary

Performs an enterprise-wide set of disciplines for planning, analysis, design, and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise. Develops analytical and computational techniques and methodology for problem solutions. May be responsible for designing new Internet Protocol version 6 (IPv6) systems and/or planning transition from IPv4 to IPv6. May be responsible for designing inter and/or intra Cloud Computing data federation. Knowledgeable in WS-Security standards as well as Cloud Computing Security tenants.

Principal Duties and Responsibilities

1. Establishes system information requirements, using analysis of the information exchange technologies, in the development of enterprise-wide or large-scale information systems.
2. Designs architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces.
3. Ensures these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI), and International Standards Organization (ISO) (These are the same thing. It is the ISO OSI model) reference models, and profiles of standard such as: Institute of Electrical and

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Electronic Engineers (IEEE), Open Systems Environment (OSE) reference model, and across the application program interface (API). Provides daily supervision and direction to staff.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

10-1.41 Information Systems Engineer

General Summary

Performs IT engineering work requiring systems analysis, design, application of standard techniques, procedures, and criteria in carrying out engineering tasks. Ability to follow engineering plans as well as installation and configuration guidelines. Requires exercising limited judgment on details of work and in making preliminary selections/adaptations of system engineering alternatives.

Principal Duties and Responsibilities

1. Provide site surveys, assessment and documentation of current network configuration and user requirements.
2. Design and optimize network topologies.
3. Define product specifications and evaluate technologies and products for implementation and integration within the customer environment.
4. Install and configure new products and develop installation schedules.
5. May be responsible for installing Internet Protocol version 6 (IPv6) networks and/or transitioning IPv4 networks to IPv6.

Job Specifications

Bachelor's degree in Engineering or related curriculum and three (3) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree.

10-1.42 Jr. Enterprise Consultant

General Summary

Deploys enterprise-wide and Cloud Computing system management tools. Performs ongoing operations issues and possesses the capability to manage systems. Has a good understanding of complex, multi-platform information technology (IT) infrastructure operations, processes and tools. Deploy architected solution and ability to solve unanticipated complications in the field such as GIS data and metadata standards, GIS application design, geospatial data integration, geospatial data models, Cloud Computing Deployment Models (Public, Private, Hybrid, Community), and Cloud Computing Delivery Models (SaaS, PaaS, IaaS). Also familiar with Hypervisors, and virtual image management.

Principal Duties and Responsibilities

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1. Deploy and document enterprise management under the supervision of the project technical lead.
2. Perform integration work for a variety of systems, network and help desk tools.
3. Understand functionality of tools selected for implementation and hardware and software administrative knowledge.
4. May be responsible for deploying new Internet Protocol version 6 (IPv6) networks and/or transitioning from IPv4 to IPv6.
5. May perform other duties as assigned

Job Specifications

Bachelor's degree or equivalent. With a Bachelor's degree, no experience is required. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree no experience is required.

10-1.43 Jr. Functional Specialist

General Summary

Develops functional requirements relating to complex integrated information technology systems.

Principal Duties and Responsibilities

1. Develop and provide skills and disciplines on a variety of information technology issues.
2. Assist the Functional Specialist.
3. Specialized skills include, but are not limited to, information planning, communications, systems administrations, quality assurance, video teleconferencing and microcomputer training.

Job Specifications

High School Diploma and five (5) years of experience.

10-1.44 Jr. Systems Analyst

General Summary

Under supervision, performs systems analysis of computer and communications/network systems. Supports the installation of computer operating systems, including GIS platforms network, and application software, computer/network hardware, hypervisors and other Cloud Computing infrastructure components, SOA software (ESBs, Web Servers, Business Process Software, Portal Servers). Provides hotline support to customers. Possesses troubleshooting skills to assist Systems Analysts, spatial data conversions and distributed computer systems.

Principal Duties and Responsibilities

1. Performs systems analysis of computer and networking systems.
2. Supports a Systems Analyst, as required.
3. Technically supports the overall integration of all systems peripherals so that they operate correctly within a predefined environment.

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4. Provides hotline support to customers.
5. Develops technical documentation detailing the installation procedures.
6. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

10-1.45 Jr. Systems Engineer

General Summary

Under supervision, assists in defining and executing systems engineering activities within a project. These activities may consist of systems planning, information security planning, geospatial design and management, SOA and Cloud Computing architecture, performance management, capacity planning, testing and validation, risk assessment, system assessment, gap analysis, benchmarking, information engineering, and development and staffing of a systems engineering or security management plan.

Principal Duties and Responsibilities

1. Performs systems engineering planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, security impact analysis.
2. Development and staffing of a systems engineering or security management plan.
3. Supports a Systems Engineer, as required.
4. Analyzes and develops technical documentation detailing the integration and system performance or information security.
5. May analyze security implications of authentication and authorization of Cloud based services spanning all the Delivery Models (SaaS, PaaS, IaaS).
6. May analyze security implications of transitioning from IPv4 to Internet Protocol version 6 (IPv6).
7. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

10-1.46 Network Architecture Engineer I

General Summary

Has knowledge in one or more aspects of telecommunications, SOA and Cloud Computing network architectures for Government applications. May possess broad knowledge in network integration, network interoperability, network implementation, Cloud Computing infrastructure, Cloud Computing Deployment Models (SaaS, PaaS, IaaS), telecommunications technologies,

or network protocols. Capable of working, with supervision, on specific tasks associated with specific aspects of network architecture projects.

Principal Duties and Responsibilities

1. Provides assistance and performs general technical tasks for network architecture planning.
2. Provides support for one or more specific areas associated with network-architecture technology, interoperability, or integration.
3. Supports the development of technical analyses, white papers, or research for specific technical areas of network architecture.
4. Assists in general analysis on network interoperability topologies, technologies, interfaces, and protocols.
5. May be responsible for designing the Cloud Computing Network stack to enable broad network access to ensure on-demand self-services across Cloud Deployment Models (Public, Private, Community, Hybrid).
6. May be responsible for designing virtual network as service and the network for Cloud Optimized Storage.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

Bachelor's degree in Electrical/Electronics Engineering, Computer Science, or Information Systems. Eight (8) years' experience in telecommunications network architectures may be substituted for a Bachelor's degree.

10-1.47 Network Architecture Engineer II

General Summary

Has knowledge in one or more aspects of telecommunications, SOA and Cloud Computing network architectures for Government applications. May possess broad knowledge in network integration, network interoperability, network implementation, Cloud Computing infrastructure, Cloud Computing Deployment Models (SaaS, PaaS, IaaS), telecommunications technologies, or network protocols. Capable of independent work on specific tasks associated with the implementation of specific aspects of network architecture projects and is capable of providing limited guidance or supervision of Engineers working on highly complex network architecture projects.

Principal Duties and Responsibilities

1. Provides general support for network architecture planning.
2. Provides technical support in one or more specific areas associated with network-architecture technology, interoperability, or integration.
3. Provides support for the development of technical analyses, white papers, or research for specific technical areas of network architecture.

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4. Provides general analyses on network interoperability topologies, technologies, interfaces, and protocols.
5. May be responsible for designing the Cloud Computing Network stack to enable broad network access to ensure on-demand self-services across Cloud Deployment Models (Public, Private, Community, Hybrid).
6. May be responsible for designing virtual network as service and the network for Cloud Optimized Storage.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

A Master's degree in Computer Science, Electrical or Electronics Engineering, Information Systems, or equivalent and one (1) year experience. A Bachelor's degree in Computer Science, Electrical Engineering, Information Systems, or equivalent and two (2) years general work experience is considered equivalent to a Master's degree and one (1) years' experience. With a PhD, no experience is required.

10-1.48 Network Engineer

General Summary

Under supervision performs a variety of network engineering tasks which are broad in nature and are concerned with the design and implementation of integrated networks, including personnel, hardware, software and support facilities and/or equipment. Performs with some latitude for unreviewed actions and decisions.

Principal Duties and Responsibilities

1. Plans and performs network engineering research, design development, and other assignments in conformance with network design, engineering and customer specifications.
2. Responsible for the technical/engineering part of a major project or a project of lesser complexity and importance than those normally assigned to a higher level engineer.
3. Coordinates the activities of Network Technicians assigned to specific network engineering projects.
4. May be responsible for designing the Cloud Computing Network stack to enable broad network access to ensure on-demand self-services across Cloud Deployment Models (Public, Private, Community, Hybrid).
5. May be responsible for designing virtual network as service and the network for Cloud Optimized Storage.
6. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
7. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and three (3) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, one (1) year of general experience is required. With a PhD, no experience is required.

10-1.49 Network Management Engineer I

General Summary

Has knowledge and experience architecting and configuring Commercial Off The Shelf (COTS) Network Management solutions (i.e., Tivoli, Computer Associates, HP OpenView) for Government applications. Typically has knowledge of one or more flavors of Unix and leading hardware vendors' products on which the Network Management platform would run. Capable of working, with supervision, on specific aspects of network management engineering.

Principal Duties and Responsibilities

1. Provides assistance to the design, development, and deployment of fault and performance network management systems that provide the required trouble isolation and identification required for the applications.
2. Supports the identification of deficiencies in existing Network Management platforms and proposes solutions that mediate these problems.
3. Supports customizations to existing Network Management implementations to reduce the interval from identification of a fault to problem resolution.
4. Supports the integration of multiple COTS vendor products into a seamless operation for a given Cloud Deployment Model (SaaS, PaaS, IaaS).
5. Supports integration of multiple COTS vendor products into a seamless operation for a Network Operations Center (NOC).
6. Supports knowledge transfer to NOC personnel or other individuals charged with the maintaining the environment being monitored by the Network Management solution.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

A Bachelor's degree in Computer Science, Electrical Engineering, Information Systems or equivalent. Eight (8) years' experience in telecommunications network management may be substituted for a Bachelor's degree.

10-1.50 Network Management Engineer II

General Summary

Has broad in-depth knowledge and several years' experience in architecting and configuring Commercial Off The Shelf (COTS) Network Management solutions (i.e., Tivoli, Computer Associates, HP OpenView) for Government applications. Typically has knowledge of one or more flavors of Unix and leading hardware vendors' products on which the Network Management platform would run.

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Principal Duties and Responsibilities

1. Designing, developing, and deploying a fault and performance network management system that provides the required trouble isolation and identification required for the applications.
2. Identifying deficiencies in existing Network Management platforms and proposing solutions that mediate these problems. May include identification of COTS platforms that are currently not deployed.
3. Providing customizations to existing Network Management implementations to reduce the interval from identification of a fault to problem resolution.
4. Supports the integration of multiple COTS vendor products into a seamless operation for a given Cloud Deployment Model (SaaS, PaaS, IaaS).
5. Integration of multiple COTS vendor products into a seamless operation for a Network Operations Center (NOC).
6. Knowledge transfer to NOC personnel or other individuals charged with the maintaining the environment being monitored by the Network Management solution.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

A Master's degree in Computer Science, Electrical Engineering, Information Systems or equivalent and 3 or more years' experience in Network Management platforms. A Bachelor's degree in Computer Science, Electrical Engineering, Information Systems or equivalent and five (5) years general work experience (of which three (3) years have been spent on Network Management) is considered equivalent to a Master's degree and three (3) years' experience. With a PhD, one (1) year of general experience is required.

10-1.51 Network Management Engineer III

General Summary

Has broad in-depth knowledge and several years' leadership experience in architecting and configuring Commercial Off The Shelf (COTS) Network Management solutions (i.e., Tivoli, Computer Associates, HP OpenView) for Government applications. Typically has knowledge of one or more flavors of Unix and leading hardware vendors' products on which the Network Management platform would run. 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 implementation of specific aspects of network management engineering and is capable of supervising a team of technical specialists working on complex projects.

Principal Duties and Responsibilities

1. Provides technical lead for designing, developing, and deploying a fault and performance network management system that provides the required trouble isolation and identification required for the applications.

2. Provides leadership to identify deficiencies in existing Network Management platforms and proposes solutions that mediate these problems. May include identification of COTS platforms that are currently not deployed.
3. Provides leadership for customizations to existing Network Management implementations to reduce the interval from identification of a fault to problem resolution.
4. Supports the integration of multiple COTS vendor products into a seamless operation for a given Cloud Deployment Model (SaaS, PaaS, IaaS).
5. Provides leadership for integration of multiple COTS vendor products into a seamless operation for a Network Operations Center (NOC).
6. Leads team performing knowledge transfer to NOC personnel or other individuals charged with the maintaining the environment being monitored by the Network Management solution.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

A Doctorate in Computer Science, Electrical Engineering, Information Systems or equivalent and six (6) years' experience in Network Management platforms. A Master's degree in Computer Science, Electrical Engineering, Information Systems or equivalent and eight (8) years general work experience (of which four (4) years have been spent on Network Management) is considered equivalent to a Doctorate and six (6) years' experience.

10-1.52 Network Management Engineer IV

General Summary

Has broad in-depth knowledge and several years' leadership experience in architecting and configuring Commercial Off The Shelf (COTS) Network Management solutions (i.e., Tivoli, Computer Associates, HP OpenView) for Government applications. Typically has knowledge of one or more flavors of Unix and leading hardware vendors' products on which the Network Management platform would run. 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 implementation of specific aspects of network management engineering and is capable of supervising a team of technical specialists working on complex projects.

Principal Duties and Responsibilities

1. Provides technical lead for designing, developing, and deploying a fault and performance network management system that provides the required trouble isolation and identification required for the applications.
2. Provides leadership to identify deficiencies in existing Network Management platforms and proposes solutions that mediate these problems. May include identification of COTS platforms that are currently not deployed.

3. Provides leadership for customizations to existing Network Management implementations to reduce the interval from identification of a fault to problem resolution.
4. Supports the integration of multiple COTS vendor products into a seamless operation for a given Cloud Deployment Model (SaaS, PaaS, IaaS).
5. Provides leadership for integration of multiple COTS vendor products into a seamless operation for a Network Operations Center (NOC).
6. Leads team performing knowledge transfer to NOC personnel or other individuals charged with the maintaining the environment being monitored by the Network Management solution.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

A Doctorate in Computer Science, Electrical Engineering, Information Systems or equivalent and nine (9) years' experience in Network Management platforms. A Master's degree in Computer Science, Electrical Engineering, Information Systems or equivalent and eleven (11) years general work experience (of which six (6) years have been spent on Network Management) is considered equivalent to a Doctorate and eight (8) years' experience.

10-1.53 Sr. Network Technician

General Summary

Works under supervision to perform a variety of network engineering tasks which are broad in nature and are concerned with the design and implementation of integrated networks, including personnel, hardware, software and support facilities and/or equipment. Works under the supervision of a Sr. Network Engineer or Network Engineer.

Principal Duties and Responsibilities

1. Supports the planning and performance of network engineering research, design development, and other assignments in conformance with network design, engineering, and customer specifications.
2. Supports the technical/engineering part of a networking project assigned to higher level engineers.
3. Works under the supervision of a Sr. Network Engineer or Network Engineer.
4. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. There is no experience substitution for a High School Diploma; however a G.E.D. or other degree equivalency program is acceptable.

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10-1.54 Operations Manager

General Summary

Manages computer operations. Ensures production schedules are met. Ensures computer system resources are used effectively.

Principal Duties and Responsibilities

1. Coordinates the resolution of production-related problems.
2. Ensures proper relationships are established between customers, teaming partners, and vendors to facilitate the delivery of information technology services.
3. Provides users with computer output. Supervises staff operations.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

10-1.55 Production Control Specialist

General Summary

Provides support necessary to manage a medium to large-scale computer system in the area of execution toward delivery of final product utilizing a predefined and documented set of procedures and directions.

Principal Duties and Responsibilities

1. Analyze system input data to determine applicability to client requirements.
2. Develop procedures to determine validity of reports produced during system execution. Analyze error transactions to determine corrective action.
3. Develop simple ad hoc programs using a state-of-the-art retrieval system when input is provided through predefined parameters and operations scheduling and/or computer data library functions.

Job Specifications

High School Diploma or equivalent and two (2) years' experience in ADP Systems Analysis/Programming, ADP operations, production control/support activities, etc. Specialized: Six (6) months experience in an ADP Scheduling/Production environment or equivalent ADP support function. Directly related technical education/training may be substituted on the basis of one (1) month of training for one (1) month of experience not to exceed six (6) months. No further substitution of education for experience is permitted.

10-1.56 Program Manager

General Summary

Directs the performance of a variety of related projects, which may be organized by technology, program, or client. Oversees the technology development and/or application, marketing, and resource allocation within program client base. Program areas typically represents more than

three functional areas that may include engineering, GIS and geospatial, systems analysis, quality control, administration, etc.

Principal Duties and Responsibilities

1. Responsible for the effective management of funds and personnel, and is accountable for the quality and timely delivery of all contractual items.
2. Operates within client guidance, contractual limitations, and Company business and policy directives.
3. Serves as focal point-of-contact with client regarding program activities.
4. Ensures that all required resources including manpower, production standards, computer time, and facilities are available for program implementation.
5. Manages program consisting of multiple projects including project identification, design, development, and delivery.
6. Maintains the development and execution of business opportunities based on broad, general guidance.
7. Confers with project manager to provide technical advice and to assist with problem resolution.
8. Responsible for marketing new technology and follow-on business acquisitions.
9. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and ten (10) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, eight (8) years of general experience is acceptable. With a PhD, 6 year of general experience is required.

10-1.57 Programmer Analyst

General Summary

Works under supervision to support the activities of a Sr. Programmer Analyst. Supports the maintenance and operating efficiency of a major subsystem, such as the teleprocessing network, GIS spatial data integration, database management systems, etc.

Principal Duties and Responsibilities

1. Support the continual assessment of the performance of appropriate software systems to identify and correct problems which impact operation efficiency and work quality.
2. Analyzes performance indicators such as system's response time and number of programs being processed to ensure operational efficiency.
3. Designs, codes, installs, and maintains appropriate systems software program.
4. Supports the identification, evaluation, customizing and implementation of vendor-supplied software packages.

5. Supports special system regenerations where applicable to reflect changes in peripheral configuration.
6. Ensures the maintenance of adequate software systems documentation.
7. Trains users in applications programming and other user personnel in the use of systems software and related hardware.
8. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

10-1.58 Project Control Specialist

General Summary

Oversees financial management and administrative activities, such as budgeting, manpower resource planning, and financial reporting.

Principal Duties and Responsibilities

1. Performs complex evaluations of existing procedures, processes, techniques, models, and/or systems related to management problems or contractual issues, which would require a report and recommend solutions.
2. Develops work breakdown structures, prepare charts, tables, graphs, and diagrams to assist in analyzing problems.
3. Provides daily supervision and direction to staff.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

10-1.59 Quality Assurance Analyst

General Summary

Establishes and maintains a process for evaluating systems and associated documentation. Determines the resources required for quality control. Maintains the level of quality throughout the project life cycle.

Principal Duties and Responsibilities

1. Conducts formal and informal reviews at pre-determined points throughout the development life cycle.
2. Provides technical and administrative direction for personnel performing systems 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.

3. Coordinates with the Project Manager to ensure problem solution and user satisfaction.
4. Makes recommendations, if needed, for approval of major systems installations.
5. Prepares milestone status reports and deliveries/presentations on the system concept to colleagues, subordinates, and end user representatives.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

10-1.60 Sr. Enterprise Consultant

General Summary

Technical subject matter expert for enterprise-wide system management tools and operations. Broad understanding of complex, multi-platform information technology (IT) infrastructure operations, hardware, software, processes and tools. Develops detailed design documents for multiple platform three tiered client server environments including geospatial definition and design. Architect solutions for systems management tools and oversees project implementation. Also has a good understanding of Cloud Deployment Models (Public, Private, Hybrid, Community), Cloud Delivery Services (Software as a Service [SAAS], Platform as a Service [PAAS] and Infrastructure as a Service [IAAS]), hypervisors and virtualization.

Principal Duties and Responsibilities

1. Design and document enterprise management solutions for complex heterogeneous IT environments.
2. Architect solutions that integrate systems, network and help desk tools into an integrated IT solution.
3. Provide hardware and software tool selection analysis and recommendations.
4. Manages technical teams with diverse areas of specialization to implement multiple software management tools either sequentially or in parallel.
5. Confers with project manager to provide technical advice and to assist with problem resolution.
6. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
7. May perform other duties as assigned

Job Specifications

Bachelor's degree or equivalent and twelve (12) years of general experience Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is acceptable. With a PhD, four (4) years of general experience is required.

10-1.61 Sr. Information Systems Engineer

General Summary

**10-1.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO)
LABOR CATEGORIES**

Conduct IT engineering work requiring judgment in the evaluation, selection, adaptation and/or modification of standard techniques, procedures and criteria. Develop new approaches to problem solving. Independently performs assignments with instructions as to the general results expected. Supports GIS and geospatial information and metadata standards. Receives technical guidance on unusual or complex problems and supervisor approval for all projects. May supervise other engineers or technicians on assigned work.

Principal Duties and Responsibilities

1. Implement engineering principles, techniques and processes.
2. Determine product specifications and evaluate technologies for implementation and integration within the customer parameters.
3. Document the results of complex analysis and design tasks.
4. Design moderate to complex systems; assist in developing standards and techniques.
5. Formulate and document alternative methodologies for achieving customer objectives. Also defines system architectures and infrastructures to provide required functionality.

Job Specifications

Bachelor's degree in Engineering or a related curriculum and ten (10) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree.

10-1.62 Sr. Network Engineer

General Summary

Performs a variety of network engineering tasks, either independently or under supervision, which are broad in nature and are concerned with the design and implementation of integrated networks, including personnel, hardware, software, and support facilities and/or equipment. Supervises team of Network Engineers through project completion.

Principal Duties and Responsibilities

1. Plans and performs network engineering research, design development, and other assignments in conformance with network design, engineering and customer specifications.
2. Supervises team of Network Engineers through project completion.
3. Responsible for major technical/engineering projects of higher complexity and importance than those normally assigned to lower level engineers.
4. Coordinates the activities of Network Engineers and Network Technicians assigned to specific network engineering projects.
5. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
6. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree,

**10-1.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO)
LABOR CATEGORIES**

four (4) years of general experience is required. With a PhD, two (2) years of general experience is required.

10-1.63 Sr. Network Operations Analyst/Technician

General Summary

Provides senior level technical direction and manages large complex network operations involving legacy systems and state-of-the-art technology. Must be capable of performing at a very senior level in an environment with multiple network topologies and protocols as well as multiple operating systems

Principal Duties and Responsibilities

1. Operate and maintain large complex enterprise telecommunications networks.
2. Evaluate existing networks to identify deficiencies and recommend performance improvements.
3. Consult with user personnel to ensure that problems have been properly identified and that the proposed solution will ensure proper resolution.
4. Analyze network performance, usage and traffic flows, accesses and interfaces, transmission techniques, and protocols. May be required to prepare studies on network performance and give presentations on communications concepts and recommended improvements.
5. Provide technical direction to other network personnel concerning data communications, front end devices, simulation and queuing analysis, and the configuration, integration, and testing of complex large-scale computer integrated networks.
6. Participate in the preparation of specifications for acquiring commercially available communications networks.
7. Work independently or as a team leader to ensure the integrity of multiple complex network systems.
8. Analyze new software releases and hardware upgrades to determine impact on existing components.
9. Perform complex diagnostic testing, analysis and optimization of all components of the network including power, communications, hardware, lines, modems, and workstations. Perform systems testing and optimization of software components.
10. Plan installations, transitions, and cutovers of network components and capabilities.
11. Analyze network characteristics such as traffic, transmission speeds, and throughput.
12. Review communications networks as to their ability to support current requirements and develops methodology for utilizing new technology to perform existing activities more effectively.
13. Recommend network security procedures, including new procedures to secure Internet Protocol version 6 (IPv6).
14. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.

**10-1.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO)
LABOR CATEGORIES**

Job Specifications

A Bachelor's degree in Computer Science or related field and Seven (7) years of progressive ADP and/or network experience. Three (3) years' experience in implementing and maintaining complex telecommunication systems, including: developing and testing communications software interface programs; developing specifications; using protocol interfaces for multiple environments. If proposed as a Task Leader, twelve (12) months experience supervision of activities similar to those included in the specific task to which assigned. A NOS specific and/or other additional professional certification may also be required if necessary to meet task requirements. Five (5) years of specific job related experience or eight (8) years of general related experience may be substituted for the Bachelor's degree requirement or a Master's degree in an appropriate discipline may be substituted for two (2) years of general experience and one (1) year of specialized experience.

10-1.64 Sr. Operating Systems Software Analyst/Programmer

General Summary

Works independently on highly complex operating systems analysis/programming projects using programming languages.

Principal Duties and Responsibilities

1. Install, generate, maintain, test and debug system software programs.
2. Develop instructions for use of operating systems software and modifies/maintains system software packages via releases and utilities from manufacturers.
3. Evaluate existing operating systems software and recommends changes.
4. Optimize systems software performance.
5. Responsible for applications dealing with the overall operating system, such as sophisticated file maintenance routines, networks, CAD or GIS system software, such as ArcSDE, ArcIMS, ArcGIS and Oracle Spatial or mathematical/scientific software packages.
6. Engineer highly complex software such as may relate directly to operating systems, their performance, or controlled devices.
7. Prepare and edit FIP documentation incorporating information provided by user, specialist, analyst, programmer, and operations personnel.
8. Interpret technical documentation standards and prepare documentation according to supplied standards.
9. Other duties may include writing, editing and/or graphic presentation of technical information for both technical and non-technical personnel.

Job Specifications

High School Diploma or equivalent and six (6) years of experience in operating systems programming and/or analysis. Three (3) years' experience working independently on highly complex operating systems analysis/programming projects using programming languages. Directly related college level study may be substituted for general experience at a rate of one (1) year of study for six (6) months of experience. No more than four (4) years of study may be

**10-1.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO)
LABOR CATEGORIES**

substituted for experience. If proposed as a Task Leader, twelve (12) months experience in supervision/management of ADP Support Activities.

10-1.65 Sr. Program Manager

General Summary

Directs the performance of a variety of highly technical projects which may be organized by technology, program or client. Oversees the technology development and/or application enterprise and multi-agency geospatial project design, marketing, and resource allocation within program client base. Program areas typically include engineering, integration, test, systems analysis, quality assurance, etc.

Principal Duties and Responsibilities:

1. Responsible for the effective management of funds and personnel, and is accountable for the quality and timely delivery of all contractual items.
2. Operates within client guidance, contractual limitations, and Company business and policy directives.
3. Serves as focal point of contact with client regarding program activities.
4. Ensures that all required resources are available for program implementation.
5. Maintains the development and execution of business opportunities based on broad, general guidance.
6. Confers with project manager to provide technical advice and to assist with problem resolution.
7. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and fifteen (15) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, thirteen (13) years of general experience is acceptable. With a PhD, eleven (11) years of general experience is required.

10-1.66 Sr. Programmer Analyst

General Summary

Works independently, with management review of end results. Has prime accountability for the maintenance and operating efficiency of a major subsystem, such as the teleprocessing network, database management systems or a GIS data application or integration.

Principal Duties and Responsibilities

1. Continually assess the performance of appropriate software systems to identify and correct problems which impact operation efficiency and work quality.
2. Maintains active liaison with user personnel to ensure continuing responsiveness of applicable system software user requirements.
3. Analyzes performance indicators such as system's response time and number of programs being processed to ensure operational efficiency.

4. Designs, codes, installs, and maintains appropriate systems software program.
5. Identifies, evaluates, tailors, and directs the implementation of vendor-supplied software packages.
6. Performs special system regenerations where applicable to reflect changes in peripheral configuration.
7. Ensures the maintenance of adequate software systems documentation.
8. Recommends to management the purchase or lease of system software packages and related hardware.
9. Provides technical assistance to less experienced systems software personnel in the resolution of complex system-related problems.
10. Trains users in applications programming and other user personnel in the use of systems software and related hardware.
11. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, four (4) years of general experience is required. With a PhD, two (2) years of general experience is required.

10-1.67 Sr. Software Engineer

General Summary

Under general supervision, engineer's software solutions based upon client requirements. Generally, has one or more Software Engineers on staff and heads up projects that make use of commercially available or custom Computer Aided Software Engineering (CASE) tools as required. Also utilizes various COTS products and techniques such as Tomcat, PostgreSQL, Postgis, GML, KML, XML, ArcSDE, ArcIMS, ArcSDE, ArcGIS Server, ArcIMS, and Oracle Spatial, FGDC, OGIS, OGC and other GIS standards.

Principal Duties and Responsibilities

1. Engineer's software solutions based upon client requirements.
2. Supervises a staff of Software Engineers as required.
3. Manages projects that make use of commercially-available or custom CASE tools as required.
4. Develops technical documentation detailing the project design parameters.
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is required. With a PhD, four (4) years of general experience is required.

10-1.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO) LABOR CATEGORIES

10-1.68 Sr. Systems Analyst

General Summary

Acts as a lead in performing systems analysis of computer and communications/networks systems. Oversees the overall installation of computer operating systems, network, and application software, hypervisors and other Cloud Computing infrastructure components, SOA software (ESBs, Web Servers, Business Process Software, Portal Servers). Has ability to adapt to new situations and environments. Possesses keen troubleshooting skills to assist other Sr. Systems Analysts and Program Managers to analyze enterprise information and geospatial architectures, process workflow management, ESRI technology, Oracle Spatial, and Web services.

Principal Duties and Responsibilities

1. Performs systems analysis of computer and networking systems.
2. Supports other Sr. Systems Analysts and Program Managers, as required.
3. Oversees the overall integration of all systems peripherals so that they can operate correctly within a predefined environment.
4. Oversees hotline support to customers.
5. Analyzes and develops technical documentation detailing the installation procedures.
6. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is acceptable. With a PhD, four (4) years of general experience is required.

10-1.69 Sr. Systems Engineer

General Summary

Acts as a lead in defining and executing systems engineering activities within a project such as process definition and workflow management. These activities may consist of systems planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, and development and staffing of a systems engineering or security management plan.

Principal Duties and Responsibilities

1. Performs systems engineering planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, security impact analysis.
2. Development and staffing of a systems engineering or security management plan.
3. Supports other Sr. Systems Engineers and Program Managers, as required.
4. Analyzes and develops technical documentation detailing the integration and system performance or information security.

10-1.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO) LABOR CATEGORIES

5. May analyze security implications of authentication and authorization of Cloud based services spanning all the Delivery Models (SaaS, PaaS, IaaS).
6. Coordinates the activities of Systems Engineers and Jr. Systems Engineers assigned to specific systems engineering projects.
7. May analyze security implications of transitioning from IPv4 to Internet Protocol version 6 (IPv6).
8. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is required. With a PhD, four (4) years of general experience is required.

10-1.70 Sr. System Integration Engineer

General Summary

Acts as a lead in defining and executing integration engineering activities within a project. These activities may consist of concept exploration and assessment, systems integration, systems of systems integration, performance management, technology assessment, testing and validation, and development and staffing of a systems integration plan.

Principal Duties and Responsibilities:

1. Performs concept exploration and assessment, systems integration, systems of systems integration, performance management, technology assessment, testing and validation.
2. Development and staffing of a systems integration management plan.
3. Supports other Engineers and Program Managers, as required.
4. Analyzes and develops technical documentation detailing the integration and system performance.
5. Coordinates the activities of system integration engineers assigned to specific systems integration projects.
6. May test implementation of Internet Protocol version 6 (IPv6).
7. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and twelve (12) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, ten (10) years of general experience is required. With a PhD, 8 year of general experience is required.

10-1.71 Sr. Trainer

General Summary

**10-1.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO)
LABOR CATEGORIES**

Identifies, develops, implements, and conducts training and instruction of technical-based subject matter related to computer hardware/software, communications, local and wide area networking, Internet, video, imaging, geospatial capabilities & products and business processes, Government regulations, procurement/acquisition, strategic planning, etc., as required for a particular situation.

Principal Duties and Responsibilities

1. Designs, develops, prepares and refines training curriculum and course materials for various classroom and other instructional environments.
2. Possesses skills and knowledge in computer-based and multimedia training environments.
3. Conducts training requirements surveys, designs computer-based and multimedia curriculum in response to specific system training requirements during the life cycle.
4. Is intimately knowledgeable in the subject matters for which he/she is developing curriculum.
5. Supervises Training Specialists in the instruction of individual trainees as well as whole classes of students in a variety of technical-based subject matter.
6. Collaborates, when necessary, with outside entities.
7. May develop training on Internet Protocol version 6 (IPv6) and on issues dealing with the transition from IPv4 to IPv6.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, four (4) years of general experience is required. With a PhD, two (2) years of general experience is required.

10-1.72 Software Engineer

General Summary

Under general supervision, engineer's software solutions based upon client requirements. Generally reports to a Sr. Software Engineer and makes use of commercially-available or custom Computer Aided Software Engineering (CASE) tools as required also may utilize COTS products and techniques including Tomcat, PostgreSQL, Postgis, GML, KML, XML, web services, ArcSDE, ArcIMS, ArcSDE, ArcGIS Server, ArcIMS, and Oracle Spatial,

Principal Duties and Responsibilities

1. Engineer's software solutions based upon client requirements.
2. Supports a Sr. Software Engineer as required.
3. Uses commercially-available or custom CASE tools as required.
4. Develops technical documentation detailing the project design parameters.
5. May perform other duties as assigned.

Job Specifications

**10-1.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO)
LABOR CATEGORIES**

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

10-1.73 Subject Matter Expert

General Summary

Expert in single or multiple technical disciplines. Provides Expert guidance and insight into specific technologies and their application and independently performs a variety of system design and integration tasks where a specific subject matter expertise is necessary.

Principal Duties and Responsibilities

1. Plans and performs research, design assessment, development, integration and other assignments in a specific technical area.
2. Supervises broad team of systems engineers.
3. Responsible for highly complex technical/engineering areas.
4. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and 17 years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, fifteen (15) years of general experience is required. With a PhD, 13 year of general experience is required.

10-1.74 Systems Administrator

General Summary

Supervises and manages the daily activities of configuration and operation of business systems which may be mainframe, mini, or client/server based.

Principal Duties and Responsibilities

1. Optimizes system operation and resource utilization, and performs system capacity analysis and planning.
2. Provides assistance to users in accessing and using business systems.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree no experience is required.

10-1.75 Sr. Systems Administrator

General Summary

Supervises and manages the daily activities of configuration and operation of business systems which may be mainframe, mini, or client/server based.

Principal Duties and Responsibilities

1. Optimizes system operation and resource utilization, and performs system capacity analysis and planning.
2. Provides assistance to users in accessing and using business systems.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree no experience is required.

10-1.76 Systems Analyst

General Summary

Under general supervision, performs systems analysis of computer and communications/network systems. Performs systems installation of computer operating systems, network, and applications software, and computer/network hardware, hypervisors and other Cloud Computing infrastructure components, SOA software (ESBs, Web Servers, Business Process Software, Portal Servers). Provides hotline support to customers. Has ability to adapt to new situations and environments including GIS applications and requirements. Possesses keen troubleshooting skills to assist Sr. Systems Analysts.

Principal Duties and Responsibilities

1. Performs systems analysis of computer and networking systems.
2. Supports a Sr. Systems Analyst, as required.
3. Provides overall integration of all systems peripherals so that they operate correctly within a predefined environment.
4. Provides hotline support to customers.
5. Develops technical documentation detailing the installation procedures.
6. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is acceptable. With a PhD, one (1) year of general experience is required.

10-1.77 Systems Architect

General Summary

Senior scientist who independently performs a variety of system design and engineering tasks which are broad in nature and are concerned with design and implementation of major enterprise systems development and integration, including supporting personnel, hardware, software, and support facilities and/or equipment. Supervises team of Sr. Systems Engineers, Network Engineers, Sr. Network Engineers, and Network Engineers through project completion and is considered a Subject Matter Expert (SME) in one or more specific areas of computer system design and networking.

Principal Duties and Responsibilities

**10-1.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO)
LABOR CATEGORIES**

1. Plans and performs systems and networking engineering research, design development, and other assignments in conformance with system and network design, engineering, and customer specifications.
2. Supervises team of Sr. Systems Engineers, Systems Engineers, Sr. Network Engineers, and Network Engineers.
3. Responsible for highly complex technical/engineering projects.
4. Coordinates the activities of Sr. Systems Engineers, Systems Engineers, Sr. Network Engineers, and Network Engineers assigned to specific system and network engineering projects.
5. Is the lead technical authority on the project.
6. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
7. May perform other duties, as assigned.

Job Specifications

Master's degree or equivalent and ten (10) years of general experience. A Bachelor's degree and nine (9) years of general experience is equivalent to a Master's degree or a High School Diploma (or equivalent) and fifteen (15) years of general experience is considered equivalent to a Master's degree. With a Doctorate, eight (8) years of general experience is acceptable.

10-1.78 Systems Engineer

General Summary

Under general supervision, defines and executes systems engineering activities within a project. These activities may consist of systems planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, and development and staffing of a systems engineering or security management plan.

Principal Duties and Responsibilities

1. Performs systems engineering planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, security impact analysis.
2. Development and staffing of a systems engineering or security management plan.
3. Supports a Sr. Systems Engineer, as required.
4. Analyzes and develops technical documentation detailing the integration and system performance or information security.
5. May analyze security implications of authentication and authorization of Cloud based services spanning all the Delivery Models (SaaS, PaaS, IaaS).
6. Coordinates the activities of Systems Engineers and Jr. Systems Engineers assigned to specific systems engineering projects.
7. May analyze security implications of transitioning from IPv4 to Internet Protocol version 6 (IPv6).

10-1.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO) LABOR CATEGORIES

8. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

10-1.79 Systems Integration Architect

General Summary

Senior Architect who independently performs a variety of system design and integration tasks which are broad in nature and are concerned with design, implementation and architecting of major systems, systems of systems, integration of systems elements and related support systems. Often supervises a broad team of engineers through project completion.

Principal Duties and Responsibilities

1. Plans and performs systems engineering research, design, development, integration and other assignments in conformance with system design, engineering, and customer specifications.
2. Supervises broad team of systems engineers.
3. Responsible for highly complex technical/engineering projects.
4. Often leads team in technical areas.
5. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and fourteen (14) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, twelve (12) years of general experience is required. With a PhD, 10 year of general experience is required.

10-1.80 Systems Integration Engineer

General Summary

Under general supervision, defines and executes integration engineering activities within a project. These activities may consist of concept exploration and assessment, systems integration, GIS integration, legacy systems integration, performance management, technology assessment, testing and validation, and development and staffing of a systems integration plan.

Principal Duties and Responsibilities

1. Performs concept exploration and assessment, systems integration, systems of systems integration, performance management, technology assessment, testing and validation.
2. Supports a Sr. System Integration Engineer, as required.
3. Analyzes and develops technical documentation detailing the integration and system performance.

**10-1.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO)
LABOR CATEGORIES**

4. May test implementation of Internet Protocol version 6 (IPv6).
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is required. With a PhD, 4 year of general experience is required.

10-1.81 Systems Operator

General Summary

Monitors and supports computer processing.

Principal Duties and Responsibilities

1. Coordinates input, output, and file media.
2. Distributes output and controls computer operation which may be mainframe, mini, or client/server based.

Job Specifications

High School Diploma and two (2) years of general experience. There is no experience substitution for a High School Diploma, however a G.E.D., other degree equivalency program, or a technical trade school certificate is acceptable. With a Bachelor's degree no experience is required.

10-1.82 Technical Writer/Editor

General Summary

Assists in collecting and organizing information required for preparation of user's manuals, training materials, installation guides, proposals, and other reports and deliverables. May have experience in Information Security.

Principal Duties and Responsibilities

1. Edits functional descriptions, system specifications, user's manuals, special reports, or any other customer deliverables and documents or information security related documents.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

10-1.83 Training Specialist

General Summary

Conducts the research necessary to develop and revise training courses including GIS courses.

Principal Duties and Responsibilities

1. Develops and revises these courses and prepares appropriate training catalogs.
2. Prepares instructor materials (course outline, background material, and training aids).

10-1.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO) LABOR CATEGORIES

3. Prepares student materials (course manuals, workbooks, handouts, completion certificates, and course critique forms).
4. Trains personnel by conducting formal classroom courses, workshops and seminars.
5. May provide training on Internet Protocol version 6 (IPv6).

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree no experience is required.

10-1.84 Webmaster

General Summary

Works independently in support of client requirements. Installs and configures WWW hardware; installs and implements WWW software; designs, develops, implements, and maintains Home/WEB pages tailored to client requirements.

Principal Duties and Responsibilities

1. Utilize software, such as, JAVA, HTML, Windows 95/NT, Visual C++, Visual Basic, PERL, C Shell scripts, Novell Netware, UNIX, TCP/IP, and various WEB authoring tools, e.g., Microsoft's Frontpage and Lotus Notes' Domino.
2. Monitor usage, pages browsed, time online; maintain currency with the Internet Service Providers (ISPs), e.g., CompuServe, AOL, and Traveler's capabilities and performance by tracking downtime, and online performance.
3. Remain abreast of the latest developments in software, hardware, and services provided by the ISPs and recommends upgrades/alternatives to more effectively meet client requirements.
4. Navigate databases; develop capabilities to prevent unauthorized intrusions; train users on ISP, homepage, and WWW use; and prepare/edit system documentation.
5. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.

Job Specifications

High School Diploma or equivalent and four (4) years general experience in microcomputer technology. Two (2) years' experience in various network technologies for LAN and WAN, servers, network operating systems and protocols, inter/intranet servers and languages, and designing, developing, and maintaining WEB pages. If proposed as Task Leader, twelve (12) months in supervision/management of ADP support activities.

**10-2.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO)
PRICE LIST**

10-2.1 Leidos/On-Site Rates, Contract Years 6 through 10

All Rates Include GSA IFF (.75%)

**SIN 541370GEO EARTH OBSERVATION SOLUTIONS (EOS) PROFESSIONAL
SERVICES PRICE LIST**

GS -35F-116AA	5-YEAR OPTION PERIOD 1 - 12/13/2017 through 12/12/2022				
	Contract Year 6	Contract Year 7	Contract Year 8	Contract Year 9	Contract Year 10
LEIDOS CONTRACTOR / ON-SITE RATES All Rates Include GSA IFF (.75%)	12/13/2017 through 12/12/2018	12/13/2018 through 12/12/2019	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
Administrative Support	\$ 68.28	\$ 69.92	\$ 71.60	\$ 73.32	\$ 75.08
Computer Operator	\$ 81.56	\$ 83.52	\$ 85.52	\$ 87.57	\$ 89.67
Computer System/Network Engineer	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Cost Analyst	\$ 85.34	\$ 87.39	\$ 89.49	\$ 91.64	\$ 93.84
Data Entry/Analyst I	\$ 66.45	\$ 68.04	\$ 69.67	\$ 71.34	\$ 73.05
Data Entry/Analyst II	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Data Entry/Analyst III	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Data Warehouse Specialist I	\$ 85.34	\$ 87.39	\$ 89.49	\$ 91.64	\$ 93.84
Data Warehouse Specialist II	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Data Warehouse Specialist III	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Data Warehouse Specialist IV	\$ 138.72	\$ 142.05	\$ 145.46	\$ 148.95	\$ 152.52
Data Warehouse Specialist V	\$ 157.86	\$ 161.65	\$ 165.53	\$ 169.50	\$ 173.57
Draftsman	\$ 62.83	\$ 64.34	\$ 65.88	\$ 67.46	\$ 69.08
Enterprise Consultant	\$ 195.18	\$ 199.86	\$ 204.66	\$ 209.57	\$ 214.60
ERP Consultant I	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
ERP Consultant II	\$ 101.07	\$ 103.50	\$ 105.98	\$ 108.52	\$ 111.12
ERP Consultant III	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Functional Analyst	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Functional Specialist	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Hardware/Software Installation Technician	\$ 69.66	\$ 71.33	\$ 73.04	\$ 74.79	\$ 76.58
Hardware/Software Specialist I	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Hardware/Software Specialist II	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Hardware/Software Specialist III	\$ 157.53	\$ 161.31	\$ 165.18	\$ 169.14	\$ 173.20
Help Desk Manager	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Help Desk Specialist	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Information Engineer I	\$ 69.66	\$ 71.33	\$ 73.04	\$ 74.79	\$ 76.58

**10-2.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO)
PRICE LIST**

Information Engineer II	\$ 91.22	\$ 93.41	\$ 95.65	\$ 97.95	\$ 100.30
Information Engineer III	\$ 138.72	\$ 142.05	\$ 145.46	\$ 148.95	\$ 152.52
Information Engineer IV	\$ 184.64	\$ 189.07	\$ 193.61	\$ 198.26	\$ 203.02
Information Engineer V	\$ 213.22	\$ 218.34	\$ 223.58	\$ 228.95	\$ 234.44
Internet/Intranet Specialist I	\$ 77.63	\$ 79.49	\$ 81.40	\$ 83.35	\$ 85.35
Internet/Intranet Specialist II	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Internet/Intranet Specialist III	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Information Systems Engineer	\$ 95.75	\$ 98.05	\$ 100.40	\$ 102.81	\$ 105.28
Jr. Enterprise Consultant	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Jr. Functional Specialist	\$ 77.63	\$ 79.49	\$ 81.40	\$ 83.35	\$ 85.35
Jr. Systems Analyst	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Jr. Systems Engineer	\$ 95.75	\$ 98.05	\$ 100.40	\$ 102.81	\$ 105.28
Network Architecture Engineer I	\$ 91.22	\$ 93.41	\$ 95.65	\$ 97.95	\$ 100.30
Network Architecture Engineer II	\$ 110.50	\$ 113.15	\$ 115.87	\$ 118.65	\$ 121.50
Network Engineer	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Network Management Engineer I	\$ 110.50	\$ 113.15	\$ 115.87	\$ 118.65	\$ 121.50
Network Management Engineer II	\$ 128.33	\$ 131.41	\$ 134.56	\$ 137.79	\$ 141.10
Network Management Engineer III	\$ 231.26	\$ 236.81	\$ 242.49	\$ 248.31	\$ 254.27
Network Management Engineer IV	\$ 231.26	\$ 236.81	\$ 242.49	\$ 248.31	\$ 254.27
Sr Network Technician	\$ 117.52	\$ 120.34	\$ 123.23	\$ 126.19	\$ 129.22
Operations Manager	\$ 122.24	\$ 125.17	\$ 128.17	\$ 131.25	\$ 134.40
Production Control Specialist	\$ 69.66	\$ 71.33	\$ 73.04	\$ 74.79	\$ 76.58
Program Manager	\$ 209.28	\$ 214.30	\$ 219.44	\$ 224.71	\$ 230.10
Programmer Analyst	\$ 85.34	\$ 87.39	\$ 89.49	\$ 91.64	\$ 93.84
Project Control Specialist	\$ 90.63	\$ 92.81	\$ 95.04	\$ 97.32	\$ 99.66
Quality Assurance Analyst	\$ 95.75	\$ 98.05	\$ 100.40	\$ 102.81	\$ 105.28
Sr. Enterprise Consultant	\$ 231.26	\$ 236.81	\$ 242.49	\$ 248.31	\$ 254.27
Sr. Information Systems Engineer	\$ 160.49	\$ 164.34	\$ 168.28	\$ 172.32	\$ 176.46
Sr. Network Engineer	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Sr. Network Operations Analyst/Technician	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Sr. Operator Systems Software Analyst/Programmer	\$ 125.72	\$ 128.74	\$ 131.83	\$ 134.99	\$ 138.23
Sr. Program Manager	\$ 240.56	\$ 246.33	\$ 252.24	\$ 258.29	\$ 264.49
Sr. Programmer Analyst	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Sr. Software Engineer	\$ 141.48	\$ 144.88	\$ 148.36	\$ 151.92	\$ 155.57
Sr. Systems Analyst	\$ 166.94	\$ 170.95	\$ 175.05	\$ 179.25	\$ 183.55
Sr. Systems Engineer	\$ 160.49	\$ 164.34	\$ 168.28	\$ 172.32	\$ 176.46
Sr. Systems Integration Engineer	\$ 187.83	\$ 192.34	\$ 196.96	\$ 201.69	\$ 206.53
Sr. Trainer	\$ 100.73	\$ 103.15	\$ 105.63	\$ 108.17	\$ 110.77
Software Engineer	\$ 117.52	\$ 120.34	\$ 123.23	\$ 126.19	\$ 129.22

**10-2.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO)
PRICE LIST**

Subject Matter Expert	\$ 243.86	\$ 249.71	\$ 255.70	\$ 261.84	\$ 268.12
Systems Administrator	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Sr Systems Administrator	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Systems Analyst	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Systems Architect	\$ 201.83	\$ 206.67	\$ 211.63	\$ 216.71	\$ 221.91
Systems Engineer	\$ 126.57	\$ 129.61	\$ 132.72	\$ 135.91	\$ 139.17
Systems Integration Architect	\$ 243.86	\$ 249.71	\$ 255.70	\$ 261.84	\$ 268.12
Systems Integration Engineer	\$ 151.38	\$ 155.01	\$ 158.73	\$ 162.54	\$ 166.44
Systems Operator	\$ 51.38	\$ 52.61	\$ 53.87	\$ 55.16	\$ 56.48
Technical Writer/Editor	\$ 86.63	\$ 88.71	\$ 90.84	\$ 93.02	\$ 95.25
Training Specialist	\$ 83.11	\$ 85.10	\$ 87.14	\$ 89.23	\$ 91.37
Webmaster	\$ 69.19	\$ 70.85	\$ 72.55	\$ 74.29	\$ 76.07
GeoSpatial Specialist	\$ 87.61	\$ 89.71	\$ 91.86	\$ 94.06	\$ 96.32
GeoSpatial Analyst 1	\$ 87.61	\$ 89.71	\$ 91.86	\$ 94.06	\$ 96.32
GeoSpatial Analyst 2	\$ 104.97	\$ 107.49	\$ 110.07	\$ 112.71	\$ 115.42
GeoSpatial Analyst 3	\$ 127.70	\$ 130.76	\$ 133.90	\$ 137.11	\$ 140.40
GeoSpatial Analyst 4	\$ 161.77	\$ 165.65	\$ 169.63	\$ 173.70	\$ 177.87
GeoSpatial Analyst 5	\$ 223.69	\$ 229.06	\$ 234.56	\$ 240.19	\$ 245.95
GeoSpatial Manager 1	\$ 196.71	\$ 201.43	\$ 206.26	\$ 211.21	\$ 216.28
HS = High School BD = Bachelor's Degree MA = Master's Degree equiv = equivalent					
* The price reduction offered to GSA shall not apply to task orders issued and outstanding quotes submitted prior to the effective date of the resulting modification. Additionally, price reductions shall not apply for any Contract Options or Option Years within existing task orders and/or quotes submitted prior to the effective date of the resulting modification.					

**10-2.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO)
PRICE LIST**

10-2.2 Customer/Off-Site Rates, Contract Year 5

All Rates Include GSA IFF (.75%)

SIN 541370GEO EARTH OBSERVATION SOLUTIONS (EOS) PROFESSIONAL SERVICES PRICE LIST

GS -35F-116AA	5-YEAR OPTION PERIOD 1 - 12/13/2017 through 12/12/2022				
	Contract Year 6	Contract Year 7	Contract Year 8	Contract Year 9	Contract Year 10
GOVERNMENT / OFF-SITE RATES All Rates Include GSA IFF (.75%)	12/13/2017 through 12/12/2018	12/13/2018 through 12/12/2019	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
Administrative Support	\$ 53.98	\$ 55.28	\$ 56.61	\$ 57.97	\$ 59.36
Computer Operator	\$ 64.47	\$ 66.02	\$ 67.60	\$ 69.22	\$ 70.88
Computer System/Network Engineer	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82
Cost Analyst	\$ 66.95	\$ 68.56	\$ 70.21	\$ 71.90	\$ 73.63
Data Entry/Analyst I	\$ 52.53	\$ 53.79	\$ 55.08	\$ 56.40	\$ 57.75
Data Entry/Analyst II	\$ 64.31	\$ 65.85	\$ 67.43	\$ 69.05	\$ 70.71
Data Entry/Analyst III	\$ 78.17	\$ 80.05	\$ 81.97	\$ 83.94	\$ 85.95
Data Warehouse Specialist I	\$ 66.95	\$ 68.56	\$ 70.21	\$ 71.90	\$ 73.63
Data Warehouse Specialist II	\$ 78.17	\$ 80.05	\$ 81.97	\$ 83.94	\$ 85.95
Data Warehouse Specialist III	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Data Warehouse Specialist IV	\$ 109.68	\$ 112.31	\$ 115.01	\$ 117.77	\$ 120.60
Data Warehouse Specialist V	\$ 123.83	\$ 126.80	\$ 129.84	\$ 132.96	\$ 136.15
Draftsman	\$ 49.52	\$ 50.71	\$ 51.93	\$ 53.18	\$ 54.46
Enterprise Consultant	\$ 154.30	\$ 158.00	\$ 161.79	\$ 165.67	\$ 169.65
ERP Consultant I	\$ 64.31	\$ 65.85	\$ 67.43	\$ 69.05	\$ 70.71
ERP Consultant II	\$ 79.90	\$ 81.82	\$ 83.78	\$ 85.79	\$ 87.85
ERP Consultant III	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Functional Analyst	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Functional Specialist	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82
Hardware/Software Installation Technician	\$ 55.06	\$ 56.38	\$ 57.73	\$ 59.12	\$ 60.54
Hardware/Software Specialist I	\$ 64.31	\$ 65.85	\$ 67.43	\$ 69.05	\$ 70.71
Hardware/Software Specialist II	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Hardware/Software Specialist III	\$ 124.54	\$ 127.53	\$ 130.59	\$ 133.72	\$ 136.93
Help Desk Manager	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82
Help Desk Specialist	\$ 64.31	\$ 65.85	\$ 67.43	\$ 69.05	\$ 70.71
Information Engineer I	\$ 55.06	\$ 56.38	\$ 57.73	\$ 59.12	\$ 60.54
Information Engineer II	\$ 72.11	\$ 73.84	\$ 75.61	\$ 77.42	\$ 79.28
Information Engineer III	\$ 109.52	\$ 112.15	\$ 114.84	\$ 117.60	\$ 120.42

10-2.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO) PRICE LIST

Information Engineer IV	\$ 144.87	\$ 148.35	\$ 151.91	\$ 155.56	\$ 159.29
Information Engineer V	\$ 168.56	\$ 172.61	\$ 176.75	\$ 180.99	\$ 185.33
Internet/Intranet Specialist I	\$ 61.37	\$ 62.84	\$ 64.35	\$ 65.89	\$ 67.47
Internet/Intranet Specialist II	\$ 64.31	\$ 65.85	\$ 67.43	\$ 69.05	\$ 70.71
Internet/Intranet Specialist III	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Information Systems Engineer	\$ 75.69	\$ 77.51	\$ 79.37	\$ 81.27	\$ 83.22
Jr. Enterprise Consultant	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Jr. Functional Specialist	\$ 61.37	\$ 62.84	\$ 64.35	\$ 65.89	\$ 67.47
Jr. Systems Analyst	\$ 78.17	\$ 80.05	\$ 81.97	\$ 83.94	\$ 85.95
Jr. Systems Engineer	\$ 75.69	\$ 77.51	\$ 79.37	\$ 81.27	\$ 83.22
Network Architecture Engineer I	\$ 72.11	\$ 73.84	\$ 75.61	\$ 77.42	\$ 79.28
Network Architecture Engineer II	\$ 87.36	\$ 89.46	\$ 91.61	\$ 93.81	\$ 96.06
Network Engineer	\$ 78.17	\$ 80.05	\$ 81.97	\$ 83.94	\$ 85.95
Network Management Engineer I	\$ 87.36	\$ 89.46	\$ 91.61	\$ 93.81	\$ 96.06
Network Management Engineer II	\$ 101.45	\$ 103.88	\$ 106.37	\$ 108.92	\$ 111.53
Network Management Engineer III	\$ 182.56	\$ 186.94	\$ 191.43	\$ 196.02	\$ 200.72
Network Management Engineer IV	\$ 182.82	\$ 187.21	\$ 191.70	\$ 196.30	\$ 201.01
Sr Network Technician	\$ 92.22	\$ 94.43	\$ 96.70	\$ 99.02	\$ 101.40
Operations Manager	\$ 95.90	\$ 98.20	\$ 100.56	\$ 102.97	\$ 105.44
Production Control Specialist	\$ 55.06	\$ 56.38	\$ 57.73	\$ 59.12	\$ 60.54
Program Manager	\$ 165.45	\$ 169.42	\$ 173.49	\$ 177.65	\$ 181.91
Programmer Analyst	\$ 66.95	\$ 68.56	\$ 70.21	\$ 71.90	\$ 73.63
Project Control Specialist	\$ 71.64	\$ 73.36	\$ 75.12	\$ 76.92	\$ 78.77
Quality Assurance Analyst	\$ 75.69	\$ 77.51	\$ 79.37	\$ 81.27	\$ 83.22
Sr. Enterprise Consultant	\$ 182.82	\$ 187.21	\$ 191.70	\$ 196.30	\$ 201.01
Sr. Information Systems Engineer	\$ 126.88	\$ 129.93	\$ 133.05	\$ 136.24	\$ 139.51
Sr. Network Engineer	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82
Sr. Network Operations Analyst/Technician	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82
Sr. Operator Systems Software Analyst/Programmer	\$ 99.39	\$ 101.78	\$ 104.22	\$ 106.72	\$ 109.28
Sr. Program Manager	\$ 190.18	\$ 194.74	\$ 199.41	\$ 204.20	\$ 209.10
Sr. Programmer Analyst	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Sr. Software Engineer	\$ 111.00	\$ 113.66	\$ 116.39	\$ 119.18	\$ 122.04
Sr. Systems Analyst	\$ 131.98	\$ 135.15	\$ 138.39	\$ 141.71	\$ 145.11
Sr. Systems Engineer	\$ 126.88	\$ 129.93	\$ 133.05	\$ 136.24	\$ 139.51
Sr. Systems Integration Engineer	\$ 148.50	\$ 152.06	\$ 155.71	\$ 159.45	\$ 163.28
Sr. Trainer	\$ 79.63	\$ 81.54	\$ 83.50	\$ 85.50	\$ 87.55
Software Engineer	\$ 92.22	\$ 94.43	\$ 96.70	\$ 99.02	\$ 101.40
Subject Matter Expert	\$ 192.79	\$ 197.42	\$ 202.16	\$ 207.01	\$ 211.98
Systems Administrator	\$ 78.17	\$ 80.05	\$ 81.97	\$ 83.94	\$ 85.95
Sr Systems Administrator	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82

**10-2.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO)
PRICE LIST**

Systems Analyst	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Systems Architect	\$ 159.57	\$ 163.40	\$ 167.32	\$ 171.34	\$ 175.45
Systems Engineer	\$ 100.06	\$ 102.46	\$ 104.92	\$ 107.44	\$ 110.02
Systems Integration Architect	\$ 192.79	\$ 197.42	\$ 202.16	\$ 207.01	\$ 211.98
Systems Integration Engineer	\$ 119.68	\$ 122.55	\$ 125.49	\$ 128.50	\$ 131.58
Systems Operator	\$ 40.31	\$ 41.28	\$ 42.27	\$ 43.28	\$ 44.32
Technical Writer/Editor	\$ 68.49	\$ 70.13	\$ 71.81	\$ 73.53	\$ 75.29
Training Specialist	\$ 65.22	\$ 66.79	\$ 68.39	\$ 70.03	\$ 71.71
Webmaster	\$ 55.31	\$ 56.64	\$ 58.00	\$ 59.39	\$ 60.82
GeoSpatial Specialist	\$ 56.18	\$ 57.53	\$ 58.91	\$ 60.32	\$ 61.77
GeoSpatial Analyst 1	\$ 56.18	\$ 57.53	\$ 58.91	\$ 60.32	\$ 61.77
GeoSpatial Analyst 2	\$ 67.31	\$ 68.93	\$ 70.58	\$ 72.27	\$ 74.00
GeoSpatial Analyst 3	\$ 81.89	\$ 83.86	\$ 85.87	\$ 87.93	\$ 90.04
GeoSpatial Analyst 4	\$ 103.73	\$ 106.22	\$ 108.77	\$ 111.38	\$ 114.05
GeoSpatial Analyst 5	\$ 143.44	\$ 146.88	\$ 150.41	\$ 154.02	\$ 157.72
GeoSpatial Manager 1	\$ 126.14	\$ 129.17	\$ 132.27	\$ 135.44	\$ 138.69
HS = High School BD = Bachelor's Degree MA = Master's Degree equiv = equivalent					
* The price reduction offered to GSA shall not apply to task orders issued and outstanding quotes submitted prior to the effective date of the resulting modification. Additionally, price reductions shall not apply for any Contract Options or Option Years within existing task orders and/or quotes submitted prior to the effective date of the resulting modification.					

**10-2.0 EARTH OBSERVATION SOLUTIONS (SIN 541370GEO)
PRICE LIST**

**10-3.0 GLIMPS
(SIN 541370GEO EARTH OBSERVATION SOLUTIONS)**

Multiple and dynamic world events and a challenging fiscal environment increases risks for decision makers, planners and operators. The Leidos Global Monitoring & Planning System (GLIMPS) technology answers these challenges by providing accurate, global forecasts which pinpoint the most likely locations of instability up to 5 years in advance of events unfolding on the ground. GLIMPS provides early identification and advanced warning of potential instability through machine learning and big-data mining of millions of open source intelligence data points, including event-coded data and indicators of environmental stress, poverty, political instability, and social unrest. Whether you are researching locations for a large-scale infrastructure investment, or planning future intelligence and mission requirements, GLIMPS provides the critical insight to facilitate your risk management strategy.

GLIMPS provides early warning intelligence to analyze options, mitigate risks, and respond when and where required

- ◆ Up to 60 month advanced warning of conditions that can affect U.S. National Security and overseas infrastructure and investments
- ◆ Narrows global monitoring to a more manageable subset of high risk flashpoints and regions of interest
- ◆ Sub-national forecasts are actionable at the local level, providing significantly more detail than nation-state level forecasting approaches
- ◆ 65,000+ location-specific instability metrics covering the globe assist in risk prioritization to effectively allocate resources
- ◆ GLIMPS leverages more than 17 years of Leidos forecasting and GEOINT expertise
- ◆ 36 month forecasts have a validated accuracy of up to 85%
- ◆ OGC-compliant web services deliver forecast data through geospatial visualization and analytic tools © Leidos.

**10-3.1 GLIMPS PRICE LIST
(SIN 541370GEO EARTH OBSERVATION SOLUTIONS)**

SIN	Manufacturer	Part Number	Product Description	GSA Price
541370GEO	Leidos, Inc.	GLIMPS03unl	Instability forecast data 3 yr subscription (unlimited users)	\$725,400.00

**10-3.0 GLIMPS
(SIN 541370GEO EARTH OBSERVATION SOLUTIONS)**

10.4 COMMERCIAL DATA SERVICES (CDS) (SIN 541370GEO EARTH OBSERVATION SOLUTIONS)

Leidos, a premier provider of geospatial products and support services, now offers Foundation GEOINT Data and Products as a Commercial Data Service (CDS) subscription that delivers cost effective high quality custom geospatial data through managed web services.

Leidos' CDS leverages a commercially-based GEOINT production process to deliver affordable foundation vector data on a global scale. The basis of all data provided by the CDS is the most current commercial GEOINT data available.

The CDS efficiently and effectively produces large quantities of data allowing for the production of on-demand, global products and of the listed required scales. The solution allows for GEOINT analyst to have the data they need to produce actionable GEOINT for the Warfighter on a timeline that supports dynamic operations.

CDS increases warehouse holdings containing the most current commercial and GFI data available. Direct online access to the commercial GEOINT data will enable real-time content meeting all required goals and objectives

CDS Objectives

- CDS provides more relevant, high quality, and cost effective data that meets Warfighter needs and specifications.
- CDS data improves situational awareness, insight, and understanding by supplying increasingly persistent commercial data streams, products, and services that enable data on-demand.
- CDS data is available through cloud based web services enabling analysts to interact with data at its storage source ("data at rest") to accept new and emerging, temporal and customer-specific datasets
- The CDS production/business model provides high quality data at significant cost reductions of current production/collection methods.
- CDS data is built to known, feature data scale specifications, is unclassified, and collected from current available commercial imagery sources controlled to 10M CE90.
- CDS provides an immediate opportunity to execute an effective, efficient and mission-driven global data readiness strategy. The result is significant cost savings, addressing more customer requirements while dramatically increasing the amount of inventory under active management

CDS Features

- Imagery/Currency – collected off the available commercial 2D imagery with 5 years reach back.
- Horizontal Accuracy that is equal to or better than 25m, CE90 (Circular error 90%)

10.4 COMMERCIAL DATA SERVICES (CDS) (SIN 541370GEO EARTH OBSERVATION SOLUTIONS)

- Attribution collected via 2D imagery based on product specifications.
- Topology – all data collected is topologically
- Metadata meets all required standards per the specifications

**10.4-1 COMMERCIAL DATA SERVICES (CDS) PRICE LIST
(SIN 541370GEO EARTH OBSERVATION SOLUTIONS)**

SIN	Manufacturer	Dealer	Part Number	Product Description	GSA Price			
					Complexity			
					1	2	3	4
541370GEO	CDS	Leidos	TDS25k	Complete 1:25,000 extraction	\$9,713	\$33,965	\$47,202	\$69,433
541370GEO	CDS	Leidos	TDS25k-T	1:25,000 extraction for Transportation features	\$2,648	\$9,379	\$13,122	\$19,513
541370GEO	CDS	Leidos	TDS25k -H	1:25,000 extraction for Hydro features only	\$3,021	\$10,648	\$14,881	\$22,077
541370GEO	CDS	Leidos	TDS25k -LC	1:25,000 extraction for Landcover features only	\$2,453	\$8,680	\$12,153	\$18,091
541370GEO	CDS	Leidos	TDS25K-Pop	1:25,000 extraction for culture and energy features only	\$2,049	\$7,223	\$10,138	\$15,107
541370GEO	CDS	Leidos	TDS50k	Complete 1:50,000 extraction	\$5,346	\$11,760	\$16,422	\$24,333
541370GEO	CDS	Leidos	TDS50k-T	1:50,000 extraction for Transportation features only	\$986	\$3,478	\$4,879	\$7,281
541370GEO	CDS	Leidos	TDS50k-H	1:50,000 extraction for Hydro features only	\$1,110	\$3,960	\$5,548	\$8,193
541370GEO	CDS	Leidos	TDS50k-LC	1:50,000 extraction for Landcover features only	\$920	\$3,228	\$4,531	\$6,863
541370GEO	CDS	Leidos	TDS50k-Pop	1:50,000 extraction for culture and energy features only	\$788	\$2,717	\$3,867	\$5,985
541370GEO	CDS	Leidos	TDS250K	Complete 1:250,000 extraction	\$1,397	\$4,915	\$6,936	\$10,388
541370GEO	CDS	Leidos	TDS250K-T	1:250,000 extraction for Transportation features only	\$439	\$1,570	\$2,289	\$3,587
541370GEO	CDS	Leidos	TDS250K-H	1:50,000 extraction for Hydro features only	\$495	\$1,726	\$2,491	\$3,883

**10.4-1 COMMERCIAL DATA SERVICES (CDS) PRICE LIST
(SIN 541370GEO EARTH OBSERVATION SOLUTIONS)**

SIN	Manufacturer	Dealer	Part Number	Product Description	GSA Price			
541370GEO	CDS	Leidos	TDS250k-LC	1:250,000 extraction for Landcover features only	\$409	\$1,492	\$2,177	\$3,432
541370GEO	CDS	Leidos	TDS250k-Pop	1:250,000 extraction for culture and energy features only	\$355	\$1,333	\$1,961	\$3,110
541370GEO	CDS	Leidos	MGCP50k	50k extraction to the MGCP specification	\$4,899	\$13,741	\$18,151	\$25,656
541370GEO	CDS	Leidos	TDSChina25k	1:25,000 and 1:50,000 enrichment and extraction for Transportation features within China only	\$1,788	\$3,530	\$4,858	\$6,612

**10.4-1 COMMERCIAL DATA SERVICES (CDS) PRICE LIST
(SIN 541370GEO EARTH OBSERVATION SOLUTIONS)**

10.5-0 LEIDOS TERMINAL PROCEDURES (SIN 541370GEO EARTH OBSERVATION SOLUTIONS)

Leidos — a premier provider of geospatial products — now offers VOLPE formatted Terminal Instrument Procedure Graphics and Terminal Instrument Procedure Graphics Quality Control Services as General Services Administration (GSA) subscriptions. Our GSA solutions provide a new method for delivering aeronautical products and services to the aeronautical community. The GSA schedule allows customers the ability to purchase only those graphics, or QC services required to meet their global missions. This efficient process is designed to enable significant savings, not only in the cost of aeronautical products, but in resources. The GSA schedule provides customers with the flexibility to determine if they need a one-time service to meet a short term requirement or support for a persistent or longer-term need.

Leidos Terminal Procedures (New)

The procedure graphic licensed by Leidos under this Agreement leverages a commercially-based GEOINT production process to deliver an affordable alternative to products available today. Our innovative approach delivers cost effective, high quality, custom solutions that meet customer requirements. Procedures graphics are in the VOLPE format, used by both DoD and the FAA, however they can be customized based on customer specifications. In most cases, customer-provided source is used to develop the procedures, however Leidos can develop based on a country's Air Navigation Service Provider (ANSP).

Leidos Terminal Procedures (Maintenance)

Leidos has the technical expertise and instrument procedure graphic design knowledge to meet our customers' maintenance needs — from the strict Aeronautical Information Regulation and Control (AIRAC) 28-day production cycle to a customizable graphics maintenance approach.

Quality Control

Our QC team has the experience and know how to meet our customers' quality control/quality assurance terminal production needs. Leidos has developed and implemented effective semi-automated QC checks to increase throughput and consistency. Coupled with our highly qualified aviation and GIS staff that will ensure our customers consistently receive timely, high-quality data, products, and services. Leidos meets the exacting requirements of International Organization for Standardization (ISO) 9001:2015.

FOR MORE INFORMATION, LICENSING OPTIONS AND PRICING, PLEASE

CONTACT:

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Leidos Terminal Procedures Price List is on the following page.

**10.5-0 LEIDOS TERMINAL PROCEDURES
(SIN 541370GEO EARTH OBSERVATION SOLUTIONS)**

**10.5-1 LEIDOS TERMINAL PROCEDURES PRICE LIST
(SIN 541370GEO EARTH OBSERVATION SOLUTIONS)**

SIN	Manufacturer	Part Number	Product Name	Product Description	GSA Price
541370GEO	Leidos, Inc.	LTP NEW	New Procedures	Compilation and QC of new Terminal IAP, SID, or STAR in Volpe format in batches of 100 procedures	\$ 50,434.26
541370GEO	Leidos, Inc.	LTP MX	Procedure Maintenance	Compilation and QC of a previously produced IAP, SID, or STAR in Volpe format in batches of 100 procedures	\$ 25,664.48
541370GEO	Leidos, Inc.	LTP QC	Quality Control	QC Service to review a compiled IAP, SID, or STAR in Volpe format in batches of 100 procedures	\$ 10,264.99

**10.5-2 LEIDOS CODED PROCEDURES
(SIN 541370GEO EARTH OBSERVATION SOLUTIONS)**

Leidos is now offering high-quality procedure coding and maintenance to DAFIF specifications. Following strict AC 20-153 and DO-200B guidelines and standards, we have the capability to code and maintain navigation procedure data to our customers' specific data quality requirements (DQRs) all while working within officially published 28 and 56-day AIRAC cycles. As a result, the data requested adheres to their specific data preparation and data transmission criteria.

Our experienced Aeronautical Analysts are very knowledgeable in the use of authoritative sources, such as government-issued aeronautical information publications, supplements, circulars, and NOTAMs. We have implemented meticulous processes ensure that the procedures and supplemental data align with DAFIF data standards for use in Flight Management Systems (FMS).

Accuracy is at the forefront of everything we do. We comply with international standards (ISO 9001-2015), for our aeronautical production processes. Our systematic approach to Validation and Verification processes (V&V) ensures that all records are formatted in accordance with DAFIF specifications, based on customer requirements. All data elements are checked as having values that are fully applicable to the identity of the data element, or that a set of data elements are deemed acceptable for their purpose. Additionally, all data element values are checked against the value originally supplied. We perform a final V&V after output and publication with a complete Post-Publication Review (PPR).

Leidos has a proud history of providing high quality aeronautical products and services. We have prior government employees on staff that have years of experience with coding procedures for

**10.5-1 LEIDOS TERMINAL PROCEDURES PRICE LIST
(SIN 541370GEO EARTH OBSERVATION SOLUTIONS)**

DoD. We've delivered more than 23,000 new and maintained Terminal Instrument Procedure Graphics in VOLPE format during the past three years, and have nearly a decade of experience with digital and hard copy aeronautical publications from sources worldwide.

NOTICE: This offering can only be provided to US entities. Therefore, the parties contained in Appendix C (International Organizations and Others Determined Eligible under Section 607 of the Foreign Assistance Act) cannot procure these products or services. These offerings may include export controlled data, the dissemination of which is restricted by the U.S. Arms Export Control Act (AECA) Title 22, U.S.C sec 2751, et seq.) or the Export Administration Act of 1979, as amended (Title 50, U.S.C., App. 2401, et seq.). This data may not be exported, transferred or disseminated to foreign persons as defined by 22 CFR § 120.6 or exported to locations outside of the United States without prior written authorization from the U.S. Government.

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For more information

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**10.5-3 LEIDOS TERMINAL PROCEDURES PRICE LIST
(SIN 541370GEO EARTH OBSERVATION SERVICES)**

PRODUCT	Part Number	PRODUCT DESCRIPTION	LIST PRICE
DAFIF Dataset Initial Capture	LCP New	Leidos Terminal DAFIF Coded Procedure (New) - 100 procedures	\$274,284.59*
DAFIF Dataset Maintenance	LCP MX	Leidos Terminal DAFIF Coded Procedure (Maintenance) - 100 procedures	\$197,984.66*

*Pricing based on most complex procedure.

**10.5-4 LEIDOS Assured Data Engine for Positioning and Timing
(ADEPT)
(SIN 541370GEO EARTH OBSERVATION SERVICES)**

ADEPT delivers accurate 3D geolocation for airborne platforms in the absence of GPS. Our vision based navigation algorithms provide real-time, absolute position estimates to the platform's primary navigation system to bound inertial navigation errors when operating in contested environments. ADEPT's sensor fusion leverages nearly 20 years of analysis and testing to ensure the optimal solution is being provided at all times, allowing the pilot or operator to focus on the mission. Rather than requiring an additional box on your aircraft, ADEPT

**10.5-3 LEIDOS TERMINAL PROCEDURES PRICE LIST
(SIN 541370GEO EARTH OBSERVATION SERVICES)**

software can frequently be installed on your current mission computer and use inputs from existing sensors.

Features:

- **Functions with or without access to GPS**
- **Typically accurate to 30-100 meters for uncalibrated systems. Can be improved with proper calibration and timing synchronization.**
- **Supports both manned and unmanned aircraft systems**
- **Auto-recovers after water overflight or cloud obscuration**
- **Hardware agnostic, uses existing (or low SWAP-C) sensors and processors. If your architecture is flexible, Leidos can recommend hardware configurations that have shown good performance in the past.**
- **Day/night operation (if using an infrared camera)**
- **Performance has been characterized over all USGS terrain types**
- **Flight tested**

Limitations:

- **Requires at least a partial view of the ground to provide a position update**
- **Output accuracy will drift while operating over water or dense cloud cover. In these cases, the aircraft's estimated position will rely on other non-visual sensor inputs.**
- **Accuracy achieved is dependent on hardware configuration and quality of calibration**

Inputs:

- **Live video from a downward facing EO/IR camera**
- **Data stream from other available onboard sensors: IMU at a minimum, also accepts altimeter, magnetometer, and other position aiding sensor measurements**
- **Pre-loaded satellite imagery for region of interest**

Outputs:

- **Estimated aircraft state**
- **Uncertainty metrics**

Software comes complete with ADEPT installation guide and user manual, including instructions for converting regional satellite imagery to the compressed ADEPT database format. Leidos is available to provide labor to assist with or perform installation and test services through approved Schedule labor categories.

Please contact adept-sales@leidos.com for more product information, and guidance on expedited orders.

**10.5-4 LEIDOS Assured Data Engine for Positioning and Timing (ADEPT)
(SIN 541370GEO EARTH OBSERVATION SERVICES)**

**10.5-5 LEIDOS Assured Data Engine for Positioning and Timing
(ADEPT) PRICE LIST
(SIN 541370GEO)**

PRODUCT	PART NO	PRODUCT DESCRIPTION	LIST PRICE	Quantity /Discount
Assured Data Engine for Positioning and Timing (ADEPT) for Airborne Platforms	VBNI01	Provides accurate 3D geolocation (and estimated error) for airborne platforms in absence of GPS	\$14,357.68 / each	75+ / 33.3%

**11.0 TERMS AND CONDITIONS APPLICABLE TO HIGHLY ADAPTIVE
CYBERSECURITY SERVICES (HACS)
(SINS 54151HACS)**

11.1 Scope

- (a) The labor categories, prices, terms and conditions stated under Special Item Numbers 54151HACS Highly Adaptive Cybersecurity Services apply exclusively to High Adaptive Cybersecurity Services within the scope of this Information Technology Schedule.
- (b) Services under these SINs are limited to Highly Adaptive Cybersecurity Services only. Software and hardware products are under different Special Item Numbers on IT Schedule 70 (e.g. SINs 511210, 33411), and may be quoted along with services to provide a total solution.
- (c) These SINs provide ordering activities with access to Highly Adaptive Cybersecurity services only.
- (d) Highly Adaptive Cybersecurity Services provided under these SINs shall comply with all Cybersecurity certifications and industry standards as applicable pertaining to the type of services as specified by ordering agency.
- (e) 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.
- (a) 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.

**10.5-5 LEIDOS Assured Data Engine for Positioning and Timing (ADEPT) PRICE LIST
(SIN 541370GEO)**

11.2 Highly Adaptive Cybersecurity Services (HACS) and Pricing

Highly adaptive Cybersecurity Services Include:

Cyber Hunt Services to respond to crisis or urgent situations within the pertinent domain to mitigate immediate and potential threats. Cyber Hunts start with the premise that threat actors known to target some organizations in a specific industry or with specific systems are likely to also target other organizations in the same industry or with the same systems.

Penetration Testing Services to provide security testing in which assessors mimic real-world attacks to identify methods for circumventing the security features of an application, system, or network.

Incident Response Services which help organizations impacted by a Cybersecurity compromise determine the extent of the incident, remove the adversary from their systems, and restore their networks to a more secure state.

Risk and Vulnerability Assessment (RVA) Services which conduct assessments of threats and vulnerabilities, determines deviations from acceptable configurations, enterprise or local policy, assesses the level of risk, and develops and/or recommends appropriate mitigation countermeasures in operational and non-operational situations. RVA services include but are not limited to: Network Mapping, Vulnerability Scanning, Phishing Assessment, Wireless Assessment, Web Application Assessment, Operating System Security Assessment (OSSA), and Database Assessment.

Security Architecture Review (SAR) Services which evaluates a subset of the agency's High Value Asset (HVA) security posture to determine whether the agency has properly architected its cybersecurity solutions and ensures that agency leadership fully understands the risks inherent in the implemented cybersecurity solution. The SAR process utilizes in-person interviews, documentation reviews, and leading practice evaluations of the HVA environment and supporting systems. SAR provides a holistic analysis of how an HVA's individual security components integrate and operate, including how data is protected during operations.

Systems Security Engineering (SSE) Services which identifies security vulnerabilities and minimizes or contains risks associated with these vulnerabilities spanning the Systems Development Life Cycle. SSE focuses on, but is not limited to the following security areas: perimeter security, network security, endpoint security, application security, physical security, and data security.

Pricing

The Labor Rate Tables represent fully loaded hourly labor rates for each labor category at the contractor site (on-site) and at the Government site (off-site) for the contract Base Period ending December 12, 2017. The published rates are inclusive of the GSA FAS Industrial Funding Fee. This contract uses performance based Statements of Work (SOWs) and allows for Firm-Fixed Price (FFP), Fixed Price/Level of Effort, Time and Materials or Labor-Hour Task/Delivery Orders.

On-Site (Contractor site) Rates: The Contractor will furnish personnel. The Contractor will also furnish such items as office space, normal office equipment and supplies required to perform the work specified in the task/delivery order. This includes telephones, faxes, personnel computers, postage, business software (e.g., word processors, spreadsheets, and graphics) and nominal reproduction. Additional items will be an ODC if not provided by the Government.

Off-Site (Government site) Rates: The Contractor will furnish personnel. The Government will furnish office space, equipment and supplies required to perform the work specified in the task/delivery order. This includes telephones, faxes, personnel computers, postage, business software (e.g., word processors, spreadsheets, and graphics) and all reproduction. Such items will be an ODC if not provided by the Government.

Governing Laws and Standards

Services offered SIN 54151HACS shall be in accordance with the following laws and standards when applicable to the specific task orders, including but not limited to:

- o Federal Acquisition Regulation (FAR) Part 52.204-21
- o OMB Memorandum M-17-12 - Preparing for and Responding to a Breach of Personally Identifiable Information (PII)
- o OMB Memorandum M-19-03 - Strengthening the Cybersecurity of Federal Agencies by enhancing the High Value Asset Program
- o 2017 Report to the President on Federal IT Modernization
- o The Cybersecurity National Action Plan (CNAP)
- o NIST SP 800-14 - Generally Accepted Principles and Practices for Securing Information Technology Systems
- o NIST SP 800-27A - Engineering Principles for Information Technology Security (A Baseline for Achieving Security)
- o NIST SP 800-30 - Guide for Conducting Risk Assessments
- o NIST SP 800-35 - Guide to Information Technology Security Services
- o NIST SP 800-37 - Risk Management Framework for Information Systems and Organizations: A Systems Life Cycle Approach for Security and Privacy
- o NIST SP 800-39 - Managing Information Security Risk: Organization, Mission, and Information System View
- o NIST SP 800-44 - Guidelines on Securing Public Web Servers
- o NIST SP 800-48 - Guide to Securing Legacy IEEE 802.11 Wireless Networks
- o NIST SP 800-53 – Security and Privacy Controls for Federal Information Systems and Organizations
- o NIST SP 800-61 - Computer Security Incident Handling Guide
- o NIST SP 800-64 - Security Considerations in the System Development Life Cycle
- o NIST SP 800-82 - Guide to Industrial Control Systems (ICS) Security
- o NIST SP 800-86 - Guide to Integrating Forensic Techniques into Incident Response
- o NIST SP 800-115 - Technical Guide to Information Security Testing and Assessment
- o NIST SP 800-128 - Guide for Security-Focused Configuration Management of Information Systems
- o NIST SP 800-137 - Information Security Continuous Monitoring (ISCM) for Federal Information Systems and Organizations
- o NIST SP 800-153 - Guidelines for Securing Wireless Local Area Networks (WLANs)
- o NIST SP 800-160 - Systems Security Engineering: Considerations for a Multidisciplinary

11.0 TERMS AND CONDITIONS APPLICABLE TO HIGHLY ADAPTIVE CYBERSECURITY SERVICES (HACS) (SINS 54151HACS)

Approach in the Engineering of Trustworthy Secure Systems

o NIST SP 800-171 - Protecting Controlled Unclassified Information in non-federal Information Systems and Organizations.

11-1.0 HIGHLY ADAPTIVE CYBERSECURITY SERVICES (HACS) LABOR CATEGORIES (SIN 54151HACS)

11-1.1 Cyber Security Specialist I

General Summary

Individual contributor representing the most common entry point for technical employees; works under direct supervision. Resolves technical problems that are typically not difficult or complex. Resolves technical problems that are typically not difficult or complex. Works under supervision on less complex projects/ assignments. Develops products, solutions, processes using basic principles, theories and concepts within own technical specialty. Requires basic knowledge of and ability to apply principles, theories, and concepts of narrow technical domain.

Principal Duties and Responsibilities

1. Responsible for maintaining computer and information security incident, damage and threat assessment programs.
2. Duties include investigating computer and information security incidents to determine extent of compromise to information and automated information systems.
3. Providing computer forensic and intrusion support to high technology investigations in the form of computer evidence seizure, computer forensic analysis, data recovery, and network assessments, researching and maintaining proficiency in tools, techniques, countermeasures, and trends in computer network vulnerabilities, data hiding and network security and encryption.
4. In addition, duties may include designing, developing or recommending integrated system solutions ensuring proprietary/confidential data and systems are protected.
5. Participating with the client in the strategic design process to translate security and business requirements into technical designs, and configuring and validating secure systems.
6. Testing security products/systems to detect computer and information security weakness.

Job Specifications

Bachelor's Degree or equivalent.

11-1.2 Cyber Security Specialist II

General Summary

Fully competent and productive technical individual contributor that works under limited supervision. Applies working knowledge of technical domain to develop solutions to routine technical problems which may be vague but are typically not complex. Develops solutions to technical problems that require depth of technical knowledge, but are typically limited in complexity. Requires working knowledge of and ability to apply standards, principles, theories, concepts, and techniques of technical domain.

Principal Duties and Responsibilities

1. Responsible for maintaining computer and information security incident, damage and threat assessment programs.
2. Duties include investigating computer and information security incidents to determine extent of compromise to information and automated information systems,
3. Providing computer forensic and intrusion support to high technology investigations in the form of computer evidence seizure, computer forensic analysis, data recovery, and network assessments, researching and maintaining proficiency in tools, techniques, countermeasures, and trends in computer network vulnerabilities, data hiding and network security and encryption.
4. In addition, duties may include designing, developing or recommending integrated system solutions ensuring proprietary/confidential data and systems are protected,
5. Participating with the client in the strategic design process to translate security and business requirements into technical designs, and configuring and validating secure systems.
6. Testing security products/systems to detect computer and information security weakness.

Job Specifications

Bachelor's Degree or equivalent and 2 years of experience.

11-1.3 Cyber Security Specialist III

General Summary

Seasoned technical individual contributor that is fully proficient in applying technical principles, theories, and concepts in the field. Responsible for developing solutions to technical problems and issues that may be difficult and unclear. Develops technical solutions that require collaboration with internal experts, deep analyses and understanding of impact on end-product/solution. Develops solutions to technical problems and issues that are unclear and require deep technical knowledge. Requires deep understanding of and ability to apply principles, theories, and concepts of technical domain and has broad understanding of other related specialty areas.

Principal Duties and Responsibilities

1. Responsible for maintaining computer and information security incident, damage and threat assessment programs.
2. Duties include investigating computer and information security incidents to determine extent of compromise to information and automated information systems
3. Providing computer forensic and intrusion support to high technology investigations in the form of computer evidence seizure, computer forensic analysis, data recovery, and network assessments, researching and maintaining proficiency in tools, techniques, countermeasures, and trends in computer network vulnerabilities, data hiding and network security and encryption.
4. In addition, duties may include designing, developing or recommending integrated system solutions ensuring proprietary/confidential data and systems are protected,

11-1.0 HIGHLY ADAPTIVE CYBERSECURITY SERVICES (HACS) LABOR CATEGORIES (SIN 54151HACS)

5. Participating with the client in the strategic design process to translate security and business requirements into technical designs, and configuring and validating secure systems.
6. Testing security products/systems to detect computer and information security weakness.

Job Specifications

Bachelor's Degree or equivalent and 4 years of experience.

11-1.4 Sr. Cyber Security Specialist I

General Summary

Seasoned technical individual contributor possessing extensive expertise in technical domain area. Responsible for developing solutions to technical issues and problems that are undefined and complex. Develops solutions to complex technical issues and problems that impact multiple area or disciplines. Regularly employs ingenuity and creativity to develop new technical solutions and systems in order to achieve functional objectives. Requires expert knowledge of and ability to apply advanced technical principles, theories, and concepts.

Principal Duties and Responsibilities

1. Responsible for maintaining computer and information security incident, damage and threat assessment programs.
2. Duties include investigating computer and information security incidents to determine extent of compromise to information and automated information systems,
3. Provide computer forensic and intrusion support to high technology investigations in the form of computer evidence seizure, computer forensic analysis, data recovery, and network assessments, researching and maintaining proficiency in tools, techniques, countermeasures, and trends in computer network vulnerabilities, data hiding and network security and encryption.
4. In addition, duties may include designing, developing or recommending integrated system solutions ensuring proprietary/confidential data and systems are protected,
5. Participating with the client in the strategic design process to translate security and business requirements into technical designs, and configuring and validating secure systems.
6. Testing security products/systems to detect computer and information security weakness.

Job Specifications

Bachelor's Degree or equivalent and 8 years of experience.

11-1.5 Sr. Cyber Security Specialist II

General Summary

Individual contributor and recognized subject matter expert within technical domain area. Involves mastery of a specialized domain and thorough understanding of advanced technical principles, theories, and concepts obtained through advanced education. Resolves highly complex problems using significant application of technical knowledge, conceptualizing,

11-1.0 HIGHLY ADAPTIVE CYBERSECURITY SERVICES (HACS) LABOR CATEGORIES (SIN 54151HACS)

reasoning and interpretation. Develops solutions that are highly innovative, and achieved through research and integration of best practices. Has in-depth understanding of technical principles, theories, concepts and their application across range of programs.

Principal Duties and Responsibilities

1. Responsible for maintaining computer and information security incident, damage and threat assessment programs.
2. Duties include investigating computer and information security incidents to determine extent of compromise to information and automated information systems,
3. Providing computer forensic and intrusion support to high technology investigations in the form of computer evidence seizure, computer forensic analysis, data recovery, and network assessments, researching and maintaining proficiency in tools, techniques, countermeasures, and trends in computer network vulnerabilities, data hiding and network security and encryption.
4. In addition, duties may include designing, developing or recommending integrated system solutions ensuring proprietary/confidential data and systems are protected,
5. Participating with the client in the strategic design process to translate security and business requirements into technical designs, and configuring and validating secure systems,
6. Testing security products/systems to detect computer and information security weakness.

Job Specifications

Bachelor's Degree or equivalent and 12 years of experience.

11-1.6 Sr. Cyber Security Specialist III

General Summary

Individual contributor and widely recognized thought leader in technical domain area; contributes to the body of knowledge within technical domain. Develops cutting-edge solutions that display ingenuity, and are achieved through collaboration and dialogue with other experts in the field. Mentors and coaches junior technical staff. Resolves undefined, highly complex and multi-dimensional problems that require significant technical depth, conceptualization and interpretation. Develops cutting-edge solutions that display ingenuity, and are achieved through collaboration and dialogue with other experts in the field. Requires highest knowledge and mastery of highly advanced technologies, scientific principles, theories and concepts. Viewed as the leading expert and/or resource within the field by peers within and outside the organization.

Principal Duties and Responsibilities

1. Responsible for maintaining computer and information security incident, damage and threat assessment programs.
2. Duties include investigating computer and information security incidents to determine extent of compromise to information and automated information systems,
3. Providing computer forensic and intrusion support to high technology investigations in the form of computer evidence seizure, computer forensic analysis, data recovery,

11-1.0 HIGHLY ADAPTIVE CYBERSECURITY SERVICES (HACS) LABOR CATEGORIES (SIN 54151HACS)

and network assessments, researching and maintaining proficiency in tools, techniques, countermeasures, and trends in computer network vulnerabilities, data hiding and network security and encryption.

4. In addition, duties may include designing, developing or recommending integrated system solutions ensuring proprietary/confidential data and systems are protected,
5. Participating with the client in the strategic design process to translate security and business requirements into technical designs, and configuring and validating secure systems,
6. Testing security products/systems to detect computer and information security weakness.

Job Specifications

Master's Degree or equivalent and 20 years of experience.

11-1.7 Cyber Security Manager I

General Summary

Primarily manages through subordinate management and/or directly manages experienced specialists. Contributes to the development of the strategy and operational direction. Accountable for managing and communicating short and long-term direction. Establishes and implements tactical and operational plans with significant impact on the achievement of functional results. Has responsibility for communicating with diverse parties external to the organization. Requires deep management and leadership knowledge to lead cross-unit project or program teams or manage across multiple functions.

Principal Duties and Responsibilities

1. Responsible for protecting information and information systems from unauthorized access, use, disclosure, disruption, modification, perusal, inspection, recording and destruction.
2. Duties may include managing and enforcing of security strategies and policies within established guidelines.
3. Areas of responsibilities include, but are not limited to, IT Security Strategy, Cyber Security, and Compliance and Risk Management which includes IT Security and Compliance Teams.

Job Specifications

Bachelor's Degree or equivalent and 12 years of experience.

11-1.8 Cyber Security Manager II

General Summary

Primarily manages a function/organization through subordinate management. Manages the strategic and operational direction of the function/organization. Requires ability to influence others to accept practices and approaches, and ability to communicate with and influence executive leadership.

11-1.0 HIGHLY ADAPTIVE CYBERSECURITY SERVICES (HACS) LABOR CATEGORIES (SIN 54151HACS)

Principal Duties and Responsibilities

1. Responsible for protecting information and information systems from unauthorized access, use, disclosure, disruption, modification, perusal, inspection, recording and destruction.
2. Duties may include managing and enforcing of security strategies and policies within established guidelines.
3. Areas of responsibilities include, but are not limited to, IT Security Strategy, Cyber Security, and Compliance and Risk Management which includes IT Security and Compliance Teams.

Job Specifications

Bachelor's Degree or equivalent and 15 years of experience.

11-1.9 Information Security Specialist I

General Summary

Individual contributor representing the most common entry point for technical employees; works under direct supervision. Resolves technical problems that are typically not difficult or complex. Resolves technical problems that are typically not difficult or complex. Works under supervision on less complex projects/ assignments. Solves simple, routine technical problems following established procedures and policies. Develops products, solutions, processes using basic principles, theories and concepts within own technical specialty. Requires basic knowledge of and ability to apply principles, theories, and concepts of narrow technical domain.

Principal Duties and Responsibilities

1. Responsible for protecting the organization's information and information systems from unauthorized access, use, disclosure, disruption, modification, perusal, inspection, recording and destruction.
2. Duties may include managing and enforcing of security strategies and policies within established guidelines.
3. Areas of responsibilities include, but are not limited to, IT Security Strategy, Cyber Security, and Compliance and Risk Management which includes IT Security and Compliance Teams.

Job Specifications

Bachelor's Degree or equivalent.

11-1.10 Information Security Specialist II

General Summary

Fully competent and productive technical individual contributor that works under limited supervision. Applies working knowledge of technical domain to develop solutions to routine technical problems which may be vague but are typically not complex. Applies working knowledge of technical domain to develop solutions to routine technical problems which may be vague but are typically not complex. Works independently on larger, moderately complex projects/assignments. Addresses somewhat complex technical issues/problems using internal best practice and through collaboration with colleagues. Develops solutions to technical

11-1.0 HIGHLY ADAPTIVE CYBERSECURITY SERVICES (HACS) LABOR CATEGORIES (SIN 54151HACS)

problems that require depth of technical knowledge, but are typically limited in complexity. Requires working knowledge of and ability to apply standards, principles, theories, concepts, and techniques of technical domain.

Principal Duties and Responsibilities

1. Responsible for protecting the organization's information and information systems from unauthorized access, use, disclosure, disruption, modification, perusal, inspection, recording and destruction.
2. Duties may include managing and enforcing of security strategies and policies within established guidelines.
3. Areas of responsibilities include, but are not limited to, IT Security Strategy, Cyber Security, and Compliance and Risk Management which includes IT Security and Compliance Teams.

Job Specifications

Bachelor's Degree or equivalent and 2 years of experience.

11-1.11 Information Security Specialist III

General Summary

Seasoned technical individual contributor that is fully proficient in applying technical principles, theories, and concepts in the field. Responsible for developing solutions to technical problems and issues that may be difficult and unclear. Responsible for developing solutions to technical problems and issues that may be difficult and unclear. Responsible for entire projects or processes within a technical area. Develops technical solutions that require collaboration with internal experts, deep analyses and understanding of impact on end-product/solution. Requires deep understanding of and ability to apply principles, theories, and concepts of technical domain and has broad understanding of other related specialty areas.

Principal Duties and Responsibilities

1. Responsible for protecting the organization's information and information systems from unauthorized access, use, disclosure, disruption, modification, perusal, inspection, recording and destruction.
2. Duties may include managing and enforcing of security strategies and policies within established guidelines.
3. Areas of responsibilities include, but are not limited to, IT Security Strategy, Cyber Security, and Compliance and Risk Management which includes IT Security and Compliance Teams.

Job Specifications

Bachelor's Degree or equivalent and 4 years of experience.

11-1.12 Sr. Information Security Specialist I

General Summary

Seasoned technical individual contributor possessing extensive expertise in technical domain area. Responsible for developing solutions to technical issues and problems that are undefined and complex. Responsible for entire projects or processes spanning multiple

11-1.0 HIGHLY ADAPTIVE CYBERSECURITY SERVICES (HACS) LABOR CATEGORIES (SIN 54151HACS)

technical areas. Develops solutions to complex technical issues and problems that impact multiple area or disciplines. Regularly employs ingenuity and creativity to develop new technical solutions and systems in order to achieve functional objectives. Requires expert knowledge of and ability to apply advanced technical principles, theories, and concepts.

Principal Duties and Responsibilities

1. Responsible for protecting the organization's information and information systems from unauthorized access, use, disclosure, disruption, modification, perusal, inspection, recording and destruction.
2. Duties may include managing and enforcing of security strategies and policies within established guidelines.
3. Areas of responsibilities include, but are not limited to, IT Security Strategy, Cyber Security, and Compliance and Risk Management which includes IT Security and Compliance Teams.

Job Specifications

Bachelor's Degree or equivalent and 8 years of experience.

11-1.13 Sr. Information Security Specialist II

General Summary

Individual contributor and recognized subject matter expert within technical domain area. Involves mastery of a specialized domain and thorough understanding of advanced technical principles, theories, and concepts obtained through advanced education. Resolves highly complex problems using significant application of technical knowledge, conceptualizing, reasoning and interpretation. Develops solutions that are highly innovative, and achieved through research and integration of best practices. Has in-depth understanding of technical principles, theories, concepts and their application across range of programs.

Principal Duties and Responsibilities

1. Responsible for protecting the organization's information and information systems from unauthorized access, use, disclosure, disruption, modification, perusal, inspection, recording and destruction.
2. Duties may include managing and enforcing of security strategies and policies within established guidelines.
3. Areas of responsibilities include, but are not limited to, IT Security Strategy, Cyber Security, and Compliance and Risk Management which includes IT Security and Compliance Teams.

Job Specifications

Bachelor's Degree or equivalent and 12 years of experience.

11-1.14 Sr. Information Security Specialist III

General Summary

Individual contributor and recognized leader in technical domain of expertise both within the organization as well as within other organizations; typically participates in knowledge reference groups. Develops cutting-edge solutions to complex and multi-dimensional problems.

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Resolves highly complex and multi-dimensional problems requiring consideration of variables that impact multiple aspects of the project/program. Leads the development of highly innovative products/solutions, achieved through collaboration and dialogue with other experts in the field. Requires highest knowledge and mastery of highly advanced technologies, scientific principles, theories and concepts.

Principal Duties and Responsibilities

1. Responsible for protecting the organization's information and information systems from unauthorized access, use, disclosure, disruption, modification, perusal, inspection, recording and destruction.
2. Duties may include managing and enforcing of security strategies and policies within established guidelines.
3. Areas of responsibilities include, but are not limited to, IT Security Strategy, Cyber Security, and Compliance and Risk Management which includes IT Security and Compliance Teams.

Job Specifications

Master's Degree or equivalent and 15 years of experience.

11-1.15 Information Security Manager I

General Summary

Responsible for planning and overseeing diverse activities within a functional area. Leads a team which consists of experienced professionals. Involved in budget management and policy recommendations. Influences others regarding policies, practices and procedures. Accountable for planning execution of short-term goals.

Principal Duties and Responsibilities

1. Responsible for protecting information and information systems from unauthorized access, use, disclosure, disruption, modification, perusal, inspection, recording and destruction.
2. Duties may include managing and enforcing of security strategies and policies within established guidelines.
3. Areas of responsibilities include, but are not limited to, IT Security Strategy, Cyber Security, and Compliance and Risk Management which includes IT Security and Compliance Teams.

Job Specifications

Bachelor's Degree or equivalent and 8 years of experience.

11-1.16 Information Security Manager II

General Summary

Primarily manages through subordinate management and/or directly manages experienced specialist employees. Contributes to the development of the strategy and own operational direction to the department. Accountable for managing and communicating short and long-term direction within department. Establishes and implements tactical and operational plans with significant impact on the achievement of functional results. Has responsibility for

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communicating with diverse parties external to the organization. Requires deep management and leadership knowledge to lead cross-unit project or program teams or manage across multiple functions.

Principal Duties and Responsibilities

1. Responsible for protecting the organization's information and information systems from unauthorized access, use, disclosure, disruption, modification, perusal, inspection, recording and destruction.
2. Duties may include managing and enforcing of security strategies and policies within established guidelines.
3. Areas of responsibilities include, but are not limited to, IT Security Strategy, Cyber Security, and Compliance and Risk Management which includes IT Security and Compliance Teams.

Job Specifications

Bachelor's Degree or equivalent and 12 years of experience.

11-1.17 Information Security Manager III

General Summary

Primarily manages a function/organization through subordinate management. Manages the strategic and operational direction of the function/organization. Requires ability to influence others to accept practices and approaches, and ability to communicate with and influence executive leadership.

Principal Duties and Responsibilities

1. Responsible for protecting information and information systems from unauthorized access, use, disclosure, disruption, modification, perusal, inspection, recording and destruction.
2. Duties may include managing and enforcing of security strategies and policies within established guidelines.
3. Areas of responsibilities include, but are not limited to, IT Security Strategy, Cyber Security, and Compliance and Risk Management which includes IT Security and Compliance Teams.

Job Specifications

Bachelor's Degree or equivalent and 15 years of experience.

11-1.18 Administrative Support

General Summary

Provides administrative-type support to technical and management-level personnel. This includes, but is not limited to, documentation planning and support, project administration, general office support, executive secretarial support, human resource planning, event planning and administration, office relocation planning, etc.

Principal Duties and Responsibilities

1. Specializes in coordinating and planning office administration and support.

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2. Reports directly to a client, usually at the client location, to support its operations as required.
3. Understands and provides documentation planning and support, project administration, general office support, executive secretarial support, human resource planning, event planning and administration, office relocation planning, etc. required in changing office environments.
4. May perform other duties as assigned.

Job Specifications

High School Diploma or G.E.D. or other equivalent degree program.

11-1.19 Computer Operator

General Summary

Operates computer systems and peripheral equipment where site-specific operating procedures are not will defined or are unusually complex. May be lead for small operations requirements.

Principal Duties and Responsibilities

1. Monitor and control a computer by operating the central console or on line terminal in accordance with established routines.
2. Required to adapt to a variety of non-standard procedures that may include the introduction of new programs and equipment.
3. Assist in determining equipment settings and operating instructions for unique, non-standard processing. Continuously observe the operation of the equipment, resolving any deviations from standard.
4. May assist in manipulating controls to rearrange sequence of job steps and reroute processing in non-standard methods to quickly resolve problems potentially involving loss of critical data and to continue operations when individual units of the system malfunction.
5. Operate computer systems and peripheral equipment, conforming to unique, non-standard site specific operating procedures.
6. Monitor and control a computer by operating the central console or on line terminal in accordance with established routines.
7. Maintain records regarding output units and supply inventories.
8. Must be familiar with all normal operating procedures and capable of implementing non-standard, unique, complex procedures independently.

Job Specifications

High School Diploma or equivalent and four (4) years' experience in operating medium or large scale computer systems. If assigned a task or functional lead position, twelve (12) months supervising personnel operating computer systems. Directly related technical education/training may be substituted on the basis of one (1) month of education/training for one (1) month of general experience not to exceed twelve (12) months. No further substitution of education for experience is permitted.

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11-1.20 Computer System/Network Engineer

General Summary

Engineering large complex computer systems and/or networks. Applies theories and principles of science or mathematics to the design of hardware, operating systems, networks and processes to solve technical problems. Systems may involve multiple protocols and interfaces, satellite communications, digital or fiber optic networks, etc.

Principal Duties and Responsibilities

1. Plan designs or redesign of systems, management and coordination.
2. Test and analyze all elements of the network facilities including power, software, communications devices, lines, modems and terminals.
3. Insure the overall integration of the enterprise network.
4. Monitor and control the performance and status of the network resources.
5. Utilize software and hardware tools, identify and diagnose highly complex problems and factors affecting network performance.
6. Maintain technical currency and study vendor products to determine which best meet client needs.
7. Provide guidance and direction to network support technicians.
8. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.

Job Specifications

Bachelor's degree from an accredited college or university in computer science, or engineering discipline and seven (7) years of increasingly complex and progressive experience in computer system/network engineering and design. Three (3) years of specialized experience related to hardware, operating systems and/or network systems specified in the task. If proposed as a Task Leader, twelve (12) months experience supervising computer or network operations personnel. Must also be a certified network engineer if required by the task. Five (5) years of specific job related experience or eight (8) years of general related experience may be substituted for the Bachelor's degree requirement or a Master's degree in an appropriate discipline may be substituted for two (2) years of general experience.

11-1.21 Cost Analyst

General Summary

Performs Functional Economic Analysis (FEA) to evaluate the costs of alternative ways to accomplish functional objectives.

Principal Duties and Responsibilities

1. The FEA states investment costs, benefits, and risks as a net change to the functional baseline cost, the cost of doing business now and in the future.
2. Ensures that cross-functional, security, and other integration issues are addressed.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

11-1.22 Data Entry/Analyst I

General Summary

Performs as a functional area expert for specialized applications and operational environments, knowledge of computer systems and ability to analyze problems to satisfy task order requirements.

Principal Duties and Responsibilities

1. Provides technical knowledge and analysis of specialized applications and operational environments, and advice on problems which require knowledge of the subject matter for effective solutions.
2. Applies principles, methods and knowledge of the functional area of expertise to specific task order requirements. Assists in the design and preparation of technical reports and related documentation.
3. Assist in the preparation and presentations and briefings as required by the task order. Responsibilities include providing documentation planning and support, project administration, general office support, entering data into database management computer systems for various functional areas to include web usage, GIS applications, patient appointing, medical coding/auditing, medical billing, referral management, medical transcription, etc. Works under general supervision.

Job Specifications

High School degree or equivalent. Requires three (3) years of general experience. Associates degree can be substituted for three (3) years' experience.

11-1.23 Data Entry/Analyst II

General Summary

Performs as a functional area expert for specialized applications and operational environments, knowledge of computer systems and ability to analyze complex problems to satisfy task order requirements. Possesses the ability to assume increasing responsibilities in the functional area activities such as web usage, GIS application reports and is knowledgeable of applicable functional standards and provides general technical support.

Principle Duties and Responsibilities

1. Provides technical knowledge and analysis of specialized applications and operational environments, and advice on problems which require knowledge of the subject matter for effective solutions.
2. Applies principles, methods and knowledge of the functional area of expertise to specific task order requirements. Designs and prepares technical reports and related documentation. Prepares and delivers presentations and briefings as required by the task order.

3. Responsibility includes coordinating and managing new functional area systems upgrades and entering data into database management computer systems for various functional areas to include providing documentation planning and support, project administration, general office support, patient appointing, medical coding/auditing, medical billing, referral management, medical transcription, etc. Works independently under minimal supervision.

Job Specifications

High School degree or equivalent and six (6) years general experience. Associates degree can be substituted for three (3) years' experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

11-1.24 Data Entry/Analyst III

General Summary

Performs as a functional area expert for specialized applications and operational environments, knowledge of computer systems and ability to analyze complex problems to satisfy task order requirements. Possesses the ability to assume increasing responsibilities in the functional area activities and is knowledgeable of applicable functional standards and provides general technical support. Is capable of implementing functional area projects and performing business practice analysis.

Principle Duties and Responsibilities

1. Provides technical knowledge and analysis of specialized applications and operational environments, and advice on problems which require knowledge of the subject matter for effective solutions.
2. Applies principles, methods and knowledge of the functional area of expertise to specific task order requirements. Designs and prepares technical reports and related documentation. Prepares and delivers presentations and briefings as required by the task order.
3. Responsibility includes providing documentation planning and support, project administration, general office support, constructing database management systems, providing technical leadership for functional area analysis, coordinating and managing new functional area systems upgrades, and entering data into database management computer systems for various functional areas to include web usage, GIS applications, patient appointing, medical coding/auditing, medical billing, referral management, medical transcription, etc. Possesses the ability to work independently and provides supervision to staff.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. Associates degree can be substituted for three (3) years' experience. With a Master's degree, three (3) years of general experience is required.

11-1.25 Data Warehouse Specialist I

General Summary

Performs as a Data Warehouse Developer on large-scale database management systems. Knowledge of computer equipment and ability to develop complex software to satisfy design objectives including GIS data warehousing, spatial data library management, conducting spatial data queries, Cloud Optimized Storage (COS), Storage as a Service, Infrastructure as a Service (IAAS) and Data Multi-tenancy concepts.

Principal Duties and Responsibilities

1. Analyzes functional business applications and design specifications for functional activities.
2. Develops block diagrams and logic flow charts.
3. Translates detailed design into computer software.
4. Prepares required documentation, including both program-level and user-level documentation.
5. Demonstrated ability to work independently with minimal supervision.

Job Specifications

Bachelor's degree or equivalent and one (1) year of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

11-1.26 Data Warehouse Specialist II

General Summary

Utilizes multidimensional database(s) on large-scale database management systems, uses OnLine Analytical Processing (OLAP) Access Tool, and ability to develop complex software to satisfy design objectives including spatial data modeling, GIS data management, Cloud Optimized Storage (COS), Storage as a Service, Infrastructure as a Service (IAAS) and Data Multi-tenancy.

Principal Duties and Responsibilities

1. Analyzes and develops functional business applications and design specifications for functional activities.
2. Tests, debugs, and refines the computer software to produce the required product.
3. Enhances software to reduce operating time or improve efficiency.
4. Demonstrated ability to work independently under minimal supervision.

Job Specifications

Bachelor's degree or equivalent and three (3) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree one (1) year of general experience is required.

11-1.27 Data Warehouse Specialist III

General Summary

Performs as a Data Warehouse Developer using OLAP tools on large-scale database management systems, knowledge of computer equipment, and ability to develop complex software to satisfy design objectives including spatial data modeling, GIS data management, Cloud Optimized Storage (COS), Storage as a Service, Infrastructure as a Service (IAAS) and Data Multi-tenancy concepts.

Principal Duties and Responsibilities

1. Analyzes and develops computer software processing a wide range of capabilities, including data warehouse technologies, business data model, Executive Information Management, and Decision Support System.
2. Analyzes user interfaces, maintain hardware and software performance tuning, analyze workload and computer usage, maintain interfaces with outside systems, analyze proposed system modifications, upgrades and new COTS.
3. Provides technical direction to junior staff.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

11-1.28 Data Warehouse Specialist IV

General Summary

Performs as a Data Warehouse Developer/Administrator on large-scale database management systems, knowledge of computer equipment, and ability to develop complex software to satisfy design objectives. Possesses ability to assume increasing responsibilities in data mart information system design and management including Spatial data modeling, GIS data management, GIS workflow modeling, Cloud Optimized Storage (COS) modeling, Storage as a Service design, Infrastructure as a Service (IAAS) and Data Multi-tenancy data segregation modeling.

Principal Duties and Responsibilities

1. 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, and for progress in accordance with schedules.
2. Coordinates with Project and/or Program Manager to ensure problem solution and user satisfaction.
3. Makes recommendations, if needed, for approval of major systems installations.
4. Prepares milestone status reports and deliveries/presentations on the system concept to colleagues, subordinates, and end user representatives.

5. Provides daily supervision and technical direction to staff to ensure program deadlines are met.

Job Specifications

Bachelor's degree or equivalent and seven (7) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, five (5) years of general experience is required. With a PhD, 3 year of general experience is required.

11-1.29 Data Warehouse Specialist V

General Summary

Performs as a Data Warehouse Developer/Administrator on large-scale database management systems, knowledge of computer equipment and ability to develop complex software to satisfy design objectives. Possesses ability to assume increasing responsibilities in enterprise data warehouse project information system design and management including spatial data modeling, enterprise GIS data management, enterprise GIS design and enterprise spatial data integration, Cloud Optimized Storage (COS) modeling, Storage as a Service design, Infrastructure as a Service (IAAS) and Data Multi-tenancy data segregation modeling.

Principal Duties and Responsibilities

1. Applies an enterprise-wide set of data warehouse disciplines for the planning, analysis, data refinement, design and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise.
2. Develops analytical and computational techniques and methodology for problem solutions.
3. Performs enterprise-wide strategic systems planning, business information planning, business and analysis.

Provides daily supervision and direction to organization.

Job Specifications

Bachelor's degree or equivalent and nine (9) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, seven (7) years of general experience is required. With a PhD, five (5) years of general experience is required.

11-1.30 Draftsman

General Summary

Develops engineering drawings, using computer-based drawing packages.

Principal Duties and Responsibilities

1. Develops engineering drawings for site plans, electrical interconnects, mechanical plans for specialized hardware, etc.

Job Specifications

High School Diploma or equivalent and three (3) years' experience. With High School Diploma or equivalent and a training program, one (1) year of general experience is required. There is no experience substitution for a High School Diploma, however a G.E.D., other degree

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equivalency program, or a technical trade school certificate is acceptable. With a Bachelor's degree no experience is required.

11-1.31 Enterprise Consultant

General Summary

Deploys enterprise-wide system management tools. Performs ongoing operation issues and has the capability to manage systems. Has a good understanding of complex, multi-platform information technology (IT) infrastructure operations, processes and tools. Deploy architected solution and ability to solve unanticipated complications in the field including enterprise geospatial design, GIS architecture, geospatial workflow management, GIS database design, ESRI, Oracle Spatial, SQL Server, MapInfo, quality assurance, FGDC, OGIS, OGC and other GIS standards. Also has a good understanding of Cloud Deployment Models (Public, Private, Hybrid, Community), Cloud Delivery Services (Software as a Service [SAAS], Platform as a Service [PAAS] and Infrastructure as a Service [IAAS]), hypervisors and virtualization.

Principal Duties and Responsibilities

1. Deploy and document enterprise management solutions for complex heterogeneous IT environments.
2. Integrate systems, network and help desk tools into an integrated IT solution.
3. Provide hardware and software tool selection analysis and recommendations.
4. Lead technical teams with diverse areas of specialization to implement multiple software management tools either sequentially or in parallel.
5. May be responsible for designing new Cloud Computing environments and/or planning transition/migration from an existing Data Center to a Cloud Computing Environment.
6. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
7. May perform other duties as assigned

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, two (2) years of general experience is acceptable. With a PhD, no experience is required.

11-1.32 ERP Consultant I

General Summary

Performs evaluation and implementation tasks for Enterprise Resource Planning (ERP) and ERP-related software products by applying product knowledge, industry experience, and project methodology.

Principal Duties and Responsibilities

1. Provides knowledge of specific software product modules or technical tools with hands-on experience and has the ability to transfer knowledge and skill.

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2. Familiar with key business roles and knowledgeable about applying technology to business operations in at least one industry.
 3. Applies industry knowledge, knowledge of area of expertise,* and product knowledge to gather and document customer business process requirements.
 4. Develops or executes basic functional and technical specifications and testing for system configuration, mapping, and reporting.
 5. Executes project plan tasks and other duties as assigned. Provides regular status on tasks and issues.
- * Areas of Expertise: Functional Area (HRMS, Financials, Distribution, Manufacturing, Student Admin), Tools Development, Web Development, and Technical Infrastructure.

Job Specifications

Bachelor's degree or equivalent and one (1) year of general business experience. Six years of general experience is equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

11-1.33 ERP Consultant II

General Summary

Performs evaluation and implementation tasks for Enterprise Resource Planning (ERP) and ERP-related software products using broad industry experience including industry best practices, and extensive product knowledge. Adapts project methodology as needed.

Principal Duties and Responsibilities

1. Provides knowledge of an entire functional area or other area of expertise* with hands-on experience in multiple modules and has the ability to transfer knowledge and skill.
2. Accomplished at professional level roles and knowledgeable about applying technology to business operations in at least one industry.
3. Applies industry best practices and product knowledge in developing tools to lead requirements gathering sessions for individual modules and makes specific business process recommendations.
4. Develops or executes functional and technical specifications and testing for advanced system configuration, interfaces, installation and modifications.
5. Executes project plan tasks and other duties as assigned. Provides regular status on tasks and issues. Provides input to project plan and resource requirements.

*Areas of Expertise: Functional Area (HRMS, Financials, Distribution, Manufacturing, Student Admin), Tools Development, Web Development, and Technical Infrastructure.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general business experience. Six years of general experience is equivalent to a Bachelor's degree. With a Master's degree, one (1) year of general experience is required. With a PhD, no experience is required.

11-1.34 ERP Consultant III

General Summary

Performs evaluation and implementation tasks for Enterprise Resource Planning (ERP) and ERP-related software products using broad industry experience, including industry best practices and extensive product knowledge. Leads parts of the project and creates project methodology as needed.

Principal Duties and Responsibilities

1. Provides knowledge of multiple functional areas or other areas of expertise* with hands-on experience in multiple modules or vendors and has the ability to transfer knowledge and skill.
2. Accomplished at several professional level roles and knowledgeable about applying technology to business operations in multiple industries.
3. Applies industry best practices, product knowledge, and experience to lead overall business requirements gathering sessions and makes overall business process recommendations.
4. Develops or executes functional and technical specifications and testing for complex interfaces, module integration, system extensions, and reporting systems.
5. Executes project plan tasks and other duties as assigned. Provides regular status on tasks and issues. Coordinates resources and occasionally assumes project management responsibilities.

* Areas of Expertise: Functional Area (HRMS, Financials, Distribution, Manufacturing, Student Admin), Tools Development, Web Development, and Technical Infrastructure.

Job Specifications

Bachelor's degree or equivalent and three (3) years of ERP implementation experience or four (4) years of general business experience. Six years of general experience is equivalent to a Bachelor's degree. With a Master's degree, two (2) years of general business experience is required. With a PhD, no experience is required.

11-1.35 Functional Analyst

General Summary

Applies broad knowledge and experience to complex requirements. Develops, designs and performs feasibility studies and functional systems analysis for complex integrated information management systems. Must be able to work independently.

Principal Duties and Responsibilities

1. Configuration Management Support for complex integrated management systems while maintaining quality assurance.
2. Provide business process re-engineering support such as, but not limited to, design of alternative strategies, development and monitoring of functional tests and assistance in the implementation of solutions.
3. Provide fiscal support as well as security analysis, human factor analysis and data analysis support.

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4. May perform other duties as assigned.

Job Specifications

Bachelor's degree in a related curriculum and five (5) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree.

11-1.36 Functional Specialist

General Summary

Applies specific knowledge and experience to complex issues. Develops functional requirements relating to complex integrated information technology systems. Must demonstrate the ability to work independently or under only general direction.

Principal Duties and Responsibilities

1. Develop and provide skills and disciplines on a variety of information technology issues.
2. Assist Program Managers, Systems Analysts, Engineers and Programmers to ensure successful continuity and program completion.
3. Specialized skills include, but are not limited to, information planning, communications, systems administrations, quality assurance, video teleconferencing and microcomputer training.

Job Specifications

Bachelor's degree in a related curriculum and ten (10) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree.

11-1.37 Hardware/Software Installation Technician

General Summary

Conducts sites surveys; assesses and documents current site configuration and user requirements and installs new configurations such as operations systems, databases, ESRI, ArcGIS, ArcSDE, ArcServer, Image Server and Apache Tomcat.

Principal Duties and Responsibilities

1. Designs and optimize network topologies.
2. Analyzes existing requirements and prepares specifications for hardware/software acquisitions.
3. Prepares engineering plans and site installation Technical Design Packages.
4. Develops hardware/software installation schedules.
5. Prepares drawings documenting configuration changes at each site.
6. Prepares site installation and test reports.
7. Configures systems, communications devices, and peripheral equipment.
8. Installs network hardware/software.

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9. Trains site personnel in proper use of hardware/software.
10. Builds specialized interconnecting cables.
11. May be responsible for installing deal-stack IPv4/Internet Protocol version 6 (IPv6) networks.

Job Specifications

High School Diploma or equivalent and two (2) years of general experience. There is no experience substitution for a High School Diploma; however a G.E.D., other degree equivalency program, or a technical trade school certificate is acceptable. With a Bachelor's degree no experience is required.

11-1.38 Hardware/Software Specialist I

General Summary

Reviews computer systems in terms of machine capabilities and man-machine interface. Prepares reports and studies concerning hardware/software for systems and applications such as ESRI, ArcGIS, ArcSDE, ArcServer, Image Server, Apache Tomcat, Virtual Desktop Infrastructure (VDI), Software delivered as a Service, and the Cloud Essential Infrastructure Stack (Hypervisor, Compute, Storage and Network).

Principal Duties and Responsibilities

1. Prepares functional requirements and specifications for hardware/software acquisitions.
2. Ensures that problems have been properly identified and solutions will satisfy the user's requirements.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

11-1.39 Hardware/Software Specialist II

General Summary

Reviews computer systems in terms of machine capabilities and man-machine interface. Prepares reports and studies concerning hardware/software for systems and applications such as ESRI, ArcGIS, ArcSDE, ArcServer, Image Server, Apache Tomcat, Virtual Desktop Infrastructure (VDI), Software delivered as a Service, and the Cloud Essential Infrastructure Stack (Hypervisor, Compute, Storage and Network).

Principal Duties and Responsibilities

1. Prepares functional requirements and specifications for hardware/software acquisitions.
2. Ensures that problems have been properly identified and solutions will satisfy the user's requirements.

Job Specifications

Bachelor's degree or equivalent and five (5) years general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

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11-1.40 Hardware/Software Specialist III

General Summary

Reviews computer systems in terms of machine capabilities and man-machine interface. Prepares reports and studies concerning hardware/software for systems and applications such as ESRI, ArcGIS, ArcSDE, ArcServer, Image Server, Apache Tomcat, Virtual Desktop Infrastructure (VDI), Software delivered as a Service, and the Cloud Essential Infrastructure Stack (Hypervisor, Compute, Storage and Network).

Principal Duties and Responsibilities

1. Prepares functional requirements and specifications for hardware/software acquisitions.
2. Ensures that problems have been properly identified and solutions will satisfy the user's requirements.

Job Specifications

Bachelor's degree or equivalent and eight (8) years general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

11-1.41 Help Desk Manager

General Summary

Manages the help desk function and personnel.

Principal Duties and Responsibilities

1. Provides daily supervision and direction to staff that are responsible for phone and in-person support to users in the areas of e-mail, directories, standard Windows desktop applications, and applications developed or deployed under this contract.
2. Serves as the first point-of-contact for troubleshooting hardware/software, PC, and printer problems.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree four (4) years of general experience is required. With a PhD, two (2) years of general experience is required.

11-1.42 Help Desk Specialist

General Summary

Serves as the initial point-of-contact for troubleshooting hardware/software, PC, and printer problems.

Principal Duties and Responsibilities

1. Provides phone and in-person support to users in the areas of e-mail, directories, standard Windows desktop applications, and applications developed under this contract or predecessors.

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Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

11-1.43 Information Engineer I

General Summary

Performs as an applications programmer on large-scale database management systems, knowledge of computer equipment, and ability to develop complex software to satisfy design objectives for requirements such as GIS data / metadata standards, Cloud Computing multi-tenancy data, data virtualization strategies for delivering Storage as a Service, and Platform as a Service information management

Principal Duties and Responsibilities

1. Analyzes application software and design specifications for information process activities.
2. Develops block diagrams and logic flow charts.
3. Translates detailed design into application software.
4. Tests, debugs, and refines the application software to produce the required product. Prepares required documentation, including both program-level and user-level documentation.
5. May serve as Tier 1 support to users and involved with trouble-shooting system operations.
6. Works under general supervision.

Job Specifications

Pursuing a Bachelor's degree or equivalent and one (1) year of general experience. Three (3) years of general experience is equivalent to pursuing a Bachelor's degree. With a Bachelor's degree, no experience is required.

11-1.44 Information Engineer II

General Summary

Works with Ada, SQL, JAVA, .NET, ArcXML, ArcIMS, ArcSDE, Oracle Spatial, third/fourth generation languages, XML, SOAP, REST, resource pooling, and rapid elasticity in the design and implementation of systems and using database management systems. Possesses ability to assume increasing responsibilities in information engineering activities. Knowledgeable of applicable standards and provides general technical support.

Principal Duties and Responsibilities

1. Analyzes and studies complex information system requirements.
2. Designs software tools and subsystems to support software reuse and domain analyses and manages their implementation.
3. Manages software development and support using formal specifications, data flow diagrams, other accepted design techniques and Computer Aided Software Engineering (CASE) tools.

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4. Provides input to estimate software development costs and schedule. Reviews existing programs and assists in making refinements, reducing operating time, and improving current techniques.
5. May manage, coordinate, or install system upgrades. Uses diagnostic software to test and isolate ADPE to validate functionality.
6. May provide system analysis and integration and oversee system operations.
7. Often assists with monitoring system performance and security and sets up terminal/printer queues. Provides in-service support for proper use of system software, hardware, or applications and provides Tier 1 technical support for ADPE.
8. Works independently under minimal supervision.

Job Specifications

Bachelor's degree or equivalent and one (1) year of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

11-1.45 Information Engineer III

General Summary

Performs information systems development, functional and data requirements analysis, systems analysis and design, programming, program design, program in .net and JAVA, system upgrades and documentation preparation. Implements information engineering projects, systems analysis, design and programming using CASE and IE tools and methods, systems planning, geospatial information management, Cloud Computing resource pooling for multi-tenancy planning, Cloud Computing Information Lifecycle Management, business information planning, and business analysis.

Principal Duties and Responsibilities

1. Applies business process improvement practices to re-engineer methodologies/principles and business process modernization projects.
2. Applies, as appropriate, activity and data modeling, transaction flow analysis, internal control and risk analysis and modern business methods and performance measurement techniques.
3. Assists in establishing standards for information systems procedures.
4. Develops and applies organization-wide information plans and models for use in designing and building integrated, shared software and database management systems.
5. Constructs logical business improvement opportunities consistent with corporate Information Management guiding principles, cost savings, and open system architecture objectives.
6. Manages planned projects for overall installation of application and network systems.
7. Develops action plans with milestones for system upgrades.

8. Provides technical leadership for analysis, integration and support of new products, interfaces and performance enhancements. Analyzes and resolves system software issues.
9. Administers accounts and system access as needed.
10. Assists with the development of training curriculum for customer orientation and use of new and improved systems.
11. Also assists with application customization through process analysis and workflow development including advising customers of database file & table configuration best practices.
12. Possesses the ability to work independently.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

11-1.46 Information Engineer IV

General Experience

Performs systems management, development, functional and data requirements analysis, systems analysis and design, programming, program design, including GIS, spatial data, Cloud Computing federated and multi-tenant data and documentation preparation. Manages the implementation of information engineering projects and performs systems analysis, design and programming selecting CASE or IE tools and methods, e.g., Oracle CASE, IEF CASE, I-CASE. Works in the client/server environment and distributed environments based on SOA and Cloud Computing environments (Public, Private, Hybrid, Community). Utilizes managerial and supervisory skills. Prepares written and oral communications, including giving formal presentations to different audiences.

Principal Duties and Responsibilities

1. Applies an enterprise-wide set of disciplines for the management, planning, analysis, design and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise.
2. Develops analytical and computational techniques and methodology for problem solutions.
3. Performs enterprise-wide strategic systems planning, business information planning, business and analysis.
4. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated tools; such as Integrated Computer-Aided Software Engineering (I-CASE) tools.
5. Applies reverse engineering and re-engineering disciplines to develop migration strategic and planning documents.
6. Utilizes various methodologies, e.g., IDEF 0 process modeling and IDEF 1X data modeling.

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7. Manages and coordinates planned system and implementation activities including system upgrades, security, allocation of resources, availability, and in-service training.
8. Manages tasks, priorities and objectives.
9. Responsible for customer support and quality & timeliness of services.
10. Provides daily supervision and direction to staff.

Job Specifications

Bachelor's degree or equivalent and seven (7) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, five (5) years of general experience is required. With a PhD, 3 year of general experience is required.

11-1.47 Information Engineer V

General Summary

Performs information systems management, development, functional and data requirements analysis, geospatial data modeling, Cloud Computing data modeling, systems analysis and design, programming, program design, and documentation preparation. Manages the implementation of information engineering projects and experience in systems analysis, geospatial process workflow management, GIS system design, Cloud Computing Delivery/Deployment multi-tenant system design, creation of Cloud Services to provide data on demand and programming using CASE and IE tools and methods, e.g., Oracle CASE, IEF CASE, I-CASE. and distributed environments based on SOA and Cloud Computing environments (Public, Private, Hybrid, Community). Utilizes managerial and supervisory skills. Prepares written and oral communications skills, including giving formal presentations to different audiences.

Principal Duties and Responsibilities

1. Applies an enterprise-wide set of disciplines for the management, planning, coordination, analysis, design, and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise.
2. Develops analytical and computational techniques and methodology for problem solutions.
3. Performs enterprise-wide strategic systems planning, business information planning, business and analysis.
4. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated tools; such as Integrated Computer-Aided Software Engineering (I-CASE) tools.
5. Applies reverse engineering and re-engineering disciplines to develop migration strategic and planning documents. Familiar with various methodologies, e.g., IDEF 0 process modeling and IDEF 1X data modeling.
6. Controls and maintains technical documents.
7. Provides daily supervision and technical guidance in software engineering and system operational techniques and automated support tools to local and remote supporting staff.

8. Advises customers on database file and table build configuration best practices.
9. Manages and coordinates planned system and implementation activities including system upgrades, security, allocation of resources, availability, and in-service training.
10. Manages tasks, priorities and objectives.
11. Assists in the development and implementation of site policies and procedures.
12. May provide train-the-trainer and ad hoc report writing training and assistance.
13. Responsible for customer support and quality & timeliness of services.

Job Specifications

Bachelor's degree or equivalent and nine (9) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, seven (7) years of general experience is required. With a PhD, five (5) years of general experience is required.

11-1.48 Internet/Intranet Specialist I

General Summary

Performs system analysis and design techniques for Internet or Intranet development, which may include Hypertext Markup Language (HTML), Hypertext Transfer Protocol (HTTP), Extensible Markup Language (XML), Internet Protocol version 6 (IPv6), Simple Object Access Protocol (SOAP), Representational State Transfer (REST), Web Services Description Language (WSDL), Universal Description, Discovery and Integration (UDDI), Web Services Security (WS-Security) standards and Common Gateway Interface (CGI).

Principal Duties and Responsibilities

1. Analyzes and develops Internet/Intranet application software processing wide range of capabilities, including numerous engineering, business, and network traffic management functions.
2. Works independently or under general direction.

Job Specifications

Bachelor's degree or equivalent and one (1) year of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

11-1.49 Internet/Intranet Specialist II

General Summary

Performs system analysis and design techniques for Internet or Intranet development and distribution to remote sites using various technologies, which may include Hypertext Markup Language (HTML), Hypertext Transfer Protocol (HTTP), Extensible Markup Language (XML), Internet Protocol version 6 (IPv6), Simple Object Access Protocol (SOAP), Representational State Transfer (REST), Web Services Description Language (WSDL), Universal Description, Discovery and Integration (UDDI), Web Services Security (WS-Security) standards, , FrontPage, Safari, Internet Explorer, iPhone Software Development Kit (SDK) and Netscape software.

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Principal Duties and Responsibilities

1. Develops and applies organization-wide information models for use in designing and building integrated, shared software, and database management systems.
2. Constructs sound, logical business improvement opportunities consistent with corporate Information Management guiding principles, cost savings, and open system architecture objectives.
3. Provides daily supervision and direction to junior staff.

Job Specifications

Bachelor's degree or equivalent and three (3) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, one (1) year of general experience is required. With a PhD, no experience is required.

11-1.50 Internet/Intranet Specialist III

General Summary

Performs an enterprise-wide set of disciplines for planning, analysis, design, and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise. Develops analytical and computational techniques and methodology for problem solutions. May be responsible for designing new Internet Protocol version 6 (IPv6) systems and/or planning transition from IPv4 to IPv6. May be responsible for designing inter and/or intra Cloud Computing data federation. Knowledgeable in WS-Security standards as well as Cloud Computing Security tenants.

Principal Duties and Responsibilities

1. Establishes system information requirements, using analysis of the information exchange technologies, in the development of enterprise-wide or large-scale information systems.
2. Designs architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces.
3. Ensures these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI), and International Standards Organization (ISO) (These are the same thing. It is the ISO OSI model) reference models, and profiles of standard such as: Institute of Electrical and Electronic Engineers (IEEE), Open Systems Environment (OSE) reference model, and across the application program interface (API). Provides daily supervision and direction to staff.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

11-1.51 Information Systems Engineer

General Summary

Performs IT engineering work requiring systems analysis, design, application of standard techniques, procedures, and criteria in carrying out engineering tasks. Ability to follow engineering plans as well as installation and configuration guidelines. Requires exercising limited judgment on details of work and in making preliminary selections/adaptations of system engineering alternatives.

Principal Duties and Responsibilities

1. Provide site surveys, assessment and documentation of current network configuration and user requirements.
2. Design and optimize network topologies.
3. Define product specifications and evaluate technologies and products for implementation and integration within the customer environment.
4. Install and configure new products and develop installation schedules.
5. May be responsible for installing Internet Protocol version 6 (IPv6) networks and/or transitioning IPv4 networks to IPv6.

Job Specifications

Bachelor's degree in Engineering or related curriculum and three (3) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree.

11-1.52 Jr. Enterprise Consultant

General Summary

Deploys enterprise-wide and Cloud Computing system management tools. Performs ongoing operations issues and possesses the capability to manage systems. Has a good understanding of complex, multi-platform information technology (IT) infrastructure operations, processes and tools. Deploy architected solution and ability to solve unanticipated complications in the field such as GIS data and metadata standards, GIS application design, geospatial data integration, geospatial data models, Cloud Computing Deployment Models (Public, Private, Hybrid, Community), and Cloud Computing Delivery Models (SaaS, PaaS, IaaS). Also familiar with Hypervisors, and virtual image management.

Principal Duties and Responsibilities

1. Deploy and document enterprise management under the supervision of the project technical lead.
2. Perform integration work for a variety of systems, network and help desk tools.
3. Understand functionally of tools selected for implementation and hardware and software administrative knowledge.
4. May be responsible for deploying new Internet Protocol version 6 (IPv6) networks and/or transitioning from IPv4 to IPv6.
5. May perform other duties as assigned

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Job Specifications

Bachelor's degree or equivalent. With a Bachelor's degree, no experience is required. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree no experience is required.

11-1.53 Jr. Functional Specialist

General Summary

Develops functional requirements relating to complex integrated information technology systems.

Principal Duties and Responsibilities

1. Develop and provide skills and disciplines on a variety of information technology issues.
2. Assist the Functional Specialist.
3. Specialized skills include, but are not limited to, information planning, communications, systems administrations, quality assurance, video teleconferencing and microcomputer training.

Job Specifications

High School Diploma and five (5) years of experience.

11-1.54 Jr. Systems Analyst

General Summary

Under supervision, performs systems analysis of computer and communications/network systems. Supports the installation of computer operating systems, including GIS platforms network, and application software, computer/network hardware, hypervisors and other Cloud Computing infrastructure components, SOA software (ESBs, Web Servers, Business Process Software, Portal Servers). Provides hotline support to customers. Possesses troubleshooting skills to assist Systems Analysts, spatial data conversions and distributed computer systems.

Principal Duties and Responsibilities

1. Performs systems analysis of computer and networking systems.
2. Supports a Systems Analyst, as required.
3. Technically supports the overall integration of all systems peripherals so that they operate correctly within a predefined environment.
4. Provides hotline support to customers.
5. Develops technical documentation detailing the installation procedures.
6. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

11-1.55 Jr. Systems Engineer

General Summary

Under supervision, assists in defining and executing systems engineering activities within a project. These activities may consist of systems planning, information security planning, geospatial design and management, SOA and Cloud Computing architecture, performance management, capacity planning, testing and validation, risk assessment, system assessment, gap analysis, benchmarking, information engineering, and development and staffing of a systems engineering or security management plan.

Principal Duties and Responsibilities

1. Performs systems engineering planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, security impact analysis.
2. Development and staffing of a systems engineering or security management plan.
3. Supports a Systems Engineer, as required.
4. Analyzes and develops technical documentation detailing the integration and system performance or information security.
5. May analyze security implications of authentication and authorization of Cloud based services spanning all the Delivery Models (SaaS, PaaS, IaaS).
6. May analyze security implications of transitioning from IPv4 to Internet Protocol version 6 (IPv6).
7. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

11-1.56 Network Architecture Engineer I

General Summary

Has knowledge in one or more aspects of telecommunications, SOA and Cloud Computing network architectures for Government applications. May possess broad knowledge in network integration, network interoperability, network implementation, Cloud Computing infrastructure, Cloud Computing Deployment Models (SaaS, PaaS, IaaS), telecommunications technologies, or network protocols. Capable of working, with supervision, on specific tasks associated with specific aspects of network architecture projects.

Principal Duties and Responsibilities

1. Provides assistance and performs general technical tasks for network architecture planning.
2. Provides support for one or more specific areas associated with network-architecture technology, interoperability, or integration.

3. Supports the development of technical analyses, white papers, or research for specific technical areas of network architecture.
4. Assists in general analysis on network interoperability topologies, technologies, interfaces, and protocols.
5. May be responsible for designing the Cloud Computing Network stack to enable broad network access to ensure on-demand self-services across Cloud Deployment Models (Public, Private, Community, Hybrid).
6. May be responsible for designing virtual network as service and the network for Cloud Optimized Storage.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

Bachelor's degree in Electrical/Electronics Engineering, Computer Science, or Information Systems. Eight (8) years' experience in telecommunications network architectures may be substituted for a Bachelor's degree.

11-1.57 Network Architecture Engineer II

General Summary

Has knowledge in one or more aspects of telecommunications, SOA and Cloud Computing network architectures for Government applications. May possess broad knowledge in network integration, network interoperability, network implementation, Cloud Computing infrastructure, Cloud Computing Deployment Models (SaaS, PaaS, IaaS), telecommunications technologies, or network protocols. Capable of independent work on specific tasks associated with the implementation of specific aspects of network architecture projects and is capable of providing limited guidance or supervision of Engineers working on highly complex network architecture projects.

Principal Duties and Responsibilities

1. Provides general support for network architecture planning.
2. Provides technical support in one or more specific areas associated with network-architecture technology, interoperability, or integration.
3. Provides support for the development of technical analyses, white papers, or research for specific technical areas of network architecture.
4. Provides general analyses on network interoperability topologies, technologies, interfaces, and protocols.
5. May be responsible for designing the Cloud Computing Network stack to enable broad network access to ensure on-demand self-services across Cloud Deployment Models (Public, Private, Community, Hybrid).
6. May be responsible for designing virtual network as service and the network for Cloud Optimized Storage.

7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

A Master's degree in Computer Science, Electrical or Electronics Engineering, Information Systems, or equivalent and one (1) year experience. A Bachelor's degree in Computer Science, Electrical Engineering, Information Systems, or equivalent and two (2) years general work experience is considered equivalent to a Master's degree and one (1) years' experience. With a PhD, no experience is required.

11-1.58 Network Engineer

General Summary

Under supervision performs a variety of network engineering tasks which are broad in nature and are concerned with the design and implementation of integrated networks, including personnel, hardware, software and support facilities and/or equipment. Performs with some latitude for unreviewed actions and decisions.

Principal Duties and Responsibilities

1. Plans and performs network engineering research, design development, and other assignments in conformance with network design, engineering and customer specifications.
2. Responsible for the technical/engineering part of a major project or a project of lesser complexity and importance than those normally assigned to a higher level engineer.
3. Coordinates the activities of Network Technicians assigned to specific network engineering projects.
4. May be responsible for designing the Cloud Computing Network stack to enable broad network access to ensure on-demand self-services across Cloud Deployment Models (Public, Private, Community, Hybrid).
5. May be responsible for designing virtual network as service and the network for Cloud Optimized Storage.
6. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
7. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and three (3) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, one (1) year of general experience is required. With a PhD, no experience is required.

11-1.59 Network Management Engineer I

General Summary

Has knowledge and experience architecting and configuring Commercial Off The Shelf (COTS) Network Management solutions (i.e., Tivoli, Computer Associates, HP OpenView) for

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Government applications. Typically has knowledge of one or more flavors of Unix and leading hardware vendors' products on which the Network Management platform would run. Capable of working, with supervision, on specific aspects of network management engineering.

Principal Duties and Responsibilities

1. Provides assistance to the design, development, and deployment of fault and performance network management systems that provide the required trouble isolation and identification required for the applications.
2. Supports the identification of deficiencies in existing Network Management platforms and proposes solutions that mediate these problems.
3. Supports customizations to existing Network Management implementations to reduce the interval from identification of a fault to problem resolution.
4. Supports the integration of multiple COTS vendor products into a seamless operation for a given Cloud Deployment Model (SaaS, PaaS, IaaS).
5. Supports integration of multiple COTS vendor products into a seamless operation for a Network Operations Center (NOC).
6. Supports knowledge transfer to NOC personnel or other individuals charged with the maintaining the environment being monitored by the Network Management solution.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

A Bachelor's degree in Computer Science, Electrical Engineering, Information Systems or equivalent. Eight (8) years' experience in telecommunications network management may be substituted for a Bachelor's degree.

11-1.60 Network Management Engineer II

General Summary

Has broad in-depth knowledge and several years' experience in architecting and configuring Commercial Off The Shelf (COTS) Network Management solutions (i.e., Tivoli, Computer Associates, HP OpenView) for Government applications. Typically has knowledge of one or more flavors of Unix and leading hardware vendors' products on which the Network Management platform would run.

Principal Duties and Responsibilities

1. Designing, developing, and deploying a fault and performance network management system that provides the required trouble isolation and identification required for the applications.
2. Identifying deficiencies in existing Network Management platforms and proposing solutions that mediate these problems. May include identification of COTS platforms that are currently not deployed.
3. Providing customizations to existing Network Management implementations to reduce the interval from identification of a fault to problem resolution.

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4. Supports the integration of multiple COTS vendor products into a seamless operation for a given Cloud Deployment Model (SaaS, PaaS, IaaS).
5. Integration of multiple COTS vendor products into a seamless operation for a Network Operations Center (NOC).
6. Knowledge transfer to NOC personnel or other individuals charged with the maintaining the environment being monitored by the Network Management solution.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

A Master's degree in Computer Science, Electrical Engineering, Information Systems or equivalent and 3 or more years' experience in Network Management platforms. A Bachelor's degree in Computer Science, Electrical Engineering, Information Systems or equivalent and five (5) years general work experience (of which three (3) years have been spent on Network Management) is considered equivalent to a Master's degree and three (3) years' experience. With a PhD, one (1) year of general experience is required.

11-1.61 Network Management Engineer III

General Summary

Has broad in-depth knowledge and several years' leadership experience in architecting and configuring Commercial Off The Shelf (COTS) Network Management solutions (i.e., Tivoli, Computer Associates, HP OpenView) for Government applications. Typically has knowledge of one or more flavors of Unix and leading hardware vendors' products on which the Network Management platform would run. 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 implementation of specific aspects of network management engineering and is capable of supervising a team of technical specialists working on complex projects.

Principal Duties and Responsibilities

1. Provides technical lead for designing, developing, and deploying a fault and performance network management system that provides the required trouble isolation and identification required for the applications.
2. Provides leadership to identify deficiencies in existing Network Management platforms and proposes solutions that mediate these problems. May include identification of COTS platforms that are currently not deployed.
3. Provides leadership for customizations to existing Network Management implementations to reduce the interval from identification of a fault to problem resolution.
4. Supports the integration of multiple COTS vendor products into a seamless operation for a given Cloud Deployment Model (SaaS, PaaS, IaaS).
5. Provides leadership for integration of multiple COTS vendor products into a seamless operation for a Network Operations Center (NOC).

6. Leads team performing knowledge transfer to NOC personnel or other individuals charged with the maintaining the environment being monitored by the Network Management solution.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

A Doctorate in Computer Science, Electrical Engineering, Information Systems or equivalent and six (6) years' experience in Network Management platforms. A Master's degree in Computer Science, Electrical Engineering, Information Systems or equivalent and eight (8) years general work experience (of which four (4) years have been spent on Network Management) is considered equivalent to a Doctorate and six (6) years' experience.

11-1.62 Network Management Engineer IV

General Summary

Has broad in-depth knowledge and several years' leadership experience in architecting and configuring Commercial Off The Shelf (COTS) Network Management solutions (i.e., Tivoli, Computer Associates, HP OpenView) for Government applications. Typically has knowledge of one or more flavors of Unix and leading hardware vendors' products on which the Network Management platform would run. 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 implementation of specific aspects of network management engineering and is capable of supervising a team of technical specialists working on complex projects.

Principal Duties and Responsibilities

1. Provides technical lead for designing, developing, and deploying a fault and performance network management system that provides the required trouble isolation and identification required for the applications.
2. Provides leadership to identify deficiencies in existing Network Management platforms and proposes solutions that mediate these problems. May include identification of COTS platforms that are currently not deployed.
3. Provides leadership for customizations to existing Network Management implementations to reduce the interval from identification of a fault to problem resolution.
4. Supports the integration of multiple COTS vendor products into a seamless operation for a given Cloud Deployment Model (SaaS, PaaS, IaaS).
5. Provides leadership for integration of multiple COTS vendor products into a seamless operation for a Network Operations Center (NOC).
6. Leads team performing knowledge transfer to NOC personnel or other individuals charged with the maintaining the environment being monitored by the Network Management solution.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.

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8. May perform other duties as required.

Job Specifications

A Doctorate in Computer Science, Electrical Engineering, Information Systems or equivalent and nine (9) years' experience in Network Management platforms. A Master's degree in Computer Science, Electrical Engineering, Information Systems or equivalent and eleven (11) years general work experience (of which six (6) years have been spent on Network Management) is considered equivalent to a Doctorate and eight (8) years' experience.

11-1.63 Sr. Network Technician

General Summary

Works under supervision to perform a variety of network engineering tasks which are broad in nature and are concerned with the design and implementation of integrated networks, including personnel, hardware, software and support facilities and/or equipment. Works under the supervision of a Sr. Network Engineer or Network Engineer.

Principal Duties and Responsibilities

1. Supports the planning and performance of network engineering research, design development, and other assignments in conformance with network design, engineering, and customer specifications.
2. Supports the technical/engineering part of a networking project assigned to higher level engineers.
3. Works under the supervision of a Sr. Network Engineer or Network Engineer.
4. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. There is no experience substitution for a High School Diploma; however a G.E.D. or other degree equivalency program is acceptable.

11-1.64 Operations Manager

General Summary

Manages computer operations. Ensures production schedules are met. Ensures computer system resources are used effectively.

Principal Duties and Responsibilities

1. Coordinates the resolution of production-related problems.
2. Ensures proper relationships are established between customers, teaming partners, and vendors to facilitate the delivery of information technology services.
3. Provides users with computer output. Supervises staff operations.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

11-1.65 Production Control Specialist

General Summary

Provides support necessary to manage a medium to large-scale computer system in the area of execution toward delivery of final product utilizing a predefined and documented set of procedures and directions.

Principal Duties and Responsibilities

1. Analyze system input data to determine applicability to client requirements.
2. Develop procedures to determine validity of reports produced during system execution. Analyze error transactions to determine corrective action.
3. Develop simple ad hoc programs using a state-of-the-art retrieval system when input is provided through predefined parameters and operations scheduling and/or computer data library functions.

Job Specifications

High School Diploma or equivalent and two (2) years' experience in ADP Systems Analysis/Programming, ADP operations, production control/support activities, etc. Specialized: Six (6) months experience in an ADP Scheduling/Production environment or equivalent ADP support function. Directly related technical education/training may be substituted on the basis of one (1) month of training for one (1) month of experience not to exceed six (6) months. No further substitution of education for experience is permitted.

11-1.66 Program Manager

General Summary

Directs the performance of a variety of related projects, which may be organized by technology, program, or client. Oversees the technology development and/or application, marketing, and resource allocation within program client base. Program areas typically represents more than three functional areas that may include engineering, GIS and geospatial, systems analysis, quality control, administration, etc.

Principal Duties and Responsibilities

1. Responsible for the effective management of funds and personnel, and is accountable for the quality and timely delivery of all contractual items.
2. Operates within client guidance, contractual limitations, and Company business and policy directives.
3. Serves as focal point-of-contact with client regarding program activities.
4. Ensures that all required resources including manpower, production standards, computer time, and facilities are available for program implementation.

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5. Manages program consisting of multiple projects including project identification, design, development, and delivery.
6. Maintains the development and execution of business opportunities based on broad, general guidance.
7. Confers with project manager to provide technical advice and to assist with problem resolution.
8. Responsible for marketing new technology and follow-on business acquisitions.
9. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and ten (10) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, eight (8) years of general experience is acceptable. With a PhD, 6 year of general experience is required.

11-1.67 Programmer Analyst

General Summary

Works under supervision to support the activities of a Sr. Programmer Analyst. Supports the maintenance and operating efficiency of a major subsystem, such as the teleprocessing network, GIS spatial data integration, database management systems, etc.

Principal Duties and Responsibilities

1. Support the continual assessment of the performance of appropriate software systems to identify and correct problems which impact operation efficiency and work quality.
2. Analyzes performance indicators such as system's response time and number of programs being processed to ensure operational efficiency.
3. Designs, codes, installs, and maintains appropriate systems software program.
4. Supports the identification, evaluation, customizing and implementation of vendor-supplied software packages.
5. Supports special system regenerations where applicable to reflect changes in peripheral configuration.
6. Ensures the maintenance of adequate software systems documentation.
7. Trains users in applications programming and other user personnel in the use of systems software and related hardware.
8. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

11-1.68 Project Control Specialist

General Summary

Oversees financial management and administrative activities, such as budgeting, manpower resource planning, and financial reporting.

Principal Duties and Responsibilities

1. Performs complex evaluations of existing procedures, processes, techniques, models, and/or systems related to management problems or contractual issues, which would require a report and recommend solutions.
2. Develops work breakdown structures, prepare charts, tables, graphs, and diagrams to assist in analyzing problems.
3. Provides daily supervision and direction to staff.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

11-1.69 Quality Assurance Analyst

General Summary

Establishes and maintains a process for evaluating systems and associated documentation. Determines the resources required for quality control. Maintains the level of quality throughout the project life cycle.

Principal Duties and Responsibilities

1. Conducts formal and informal reviews at pre-determined points throughout the development life cycle.
2. Provides technical and administrative direction for personnel performing systems 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.
3. Coordinates with the Project Manager to ensure problem solution and user satisfaction.
4. Makes recommendations, if needed, for approval of major systems installations.
5. Prepares milestone status reports and deliveries/presentations on the system concept to colleagues, subordinates, and end user representatives.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

11-1.70 Sr. Enterprise Consultant

General Summary

Technical subject matter expert for enterprise-wide system management tools and operations. Broad understanding of complex, multi-platform information technology (IT) infrastructure operations, hardware, software, processes and tools. Develops detailed design documents for multiple platform three tiered client server environments including geospatial definition and design. Architect solutions for systems management tools and oversees project implementation. Also has a good understanding of Cloud Deployment Models (Public, Private, Hybrid, Community), Cloud Delivery Services (Software as a Service [SAAS], Platform as a Service [PAAS] and Infrastructure as a Service [IAAS]), hypervisors and virtualization.

Principal Duties and Responsibilities

1. Design and document enterprise management solutions for complex heterogeneous IT environments.
2. Architect solutions that integrate systems, network and help desk tools into an integrated IT solution.
3. Provide hardware and software tool selection analysis and recommendations.
4. Manages technical teams with diverse areas of specialization to implement multiple software management tools either sequentially or in parallel.
5. Confers with project manager to provide technical advice and to assist with problem resolution.
6. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
7. May perform other duties as assigned

Job Specifications

Bachelor's degree or equivalent and twelve (12) years of general experience Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is acceptable. With a PhD, four (4) years of general experience is required.

11-1.71 Sr. Information Systems Engineer

General Summary

Conduct IT engineering work requiring judgment in the evaluation, selection, adaptation and/or modification of standard techniques, procedures and criteria. Develop new approaches to problem solving. Independently performs assignments with instructions as to the general results expected. Supports GIS and geospatial information and metadata standards. Receives technical guidance on unusual or complex problems and supervisor approval for all projects. May supervise other engineers or technicians on assigned work.

Principal Duties and Responsibilities

1. Implement engineering principles, techniques and processes.
2. Determine product specifications and evaluate technologies for implementation and integration within the customer parameters.

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3. Document the results of complex analysis and design tasks.
4. Design moderate to complex systems; assist in developing standards and techniques.
5. Formulate and document alternative methodologies for achieving customer objectives. Also defines system architectures and infrastructures to provide required functionality.

Job Specifications

Bachelor's degree in Engineering or a related curriculum and ten (10) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree.

11-1.72 Sr. Network Engineer

General Summary

Performs a variety of network engineering tasks, either independently or under supervision, which are broad in nature and are concerned with the design and implementation of integrated networks, including personnel, hardware, software, and support facilities and/or equipment. Supervises team of Network Engineers through project completion.

Principal Duties and Responsibilities

1. Plans and performs network engineering research, design development, and other assignments in conformance with network design, engineering and customer specifications.
2. Supervises team of Network Engineers through project completion.
3. Responsible for major technical/engineering projects of higher complexity and importance than those normally assigned to lower level engineers.
4. Coordinates the activities of Network Engineers and Network Technicians assigned to specific network engineering projects.
5. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
6. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, four (4) years of general experience is required. With a PhD, two (2) years of general experience is required.

11-1.73 Sr. Network Operations Analyst/Technician

General Summary

Provides senior level technical direction and manages large complex network operations involving legacy systems and state-of-the-art technology. Must be capable of performing at a very senior level in an environment with multiple network topologies and protocols as well as multiple operating systems

Principal Duties and Responsibilities

1. Operate and maintain large complex enterprise telecommunications networks.
2. Evaluate existing networks to identify deficiencies and recommend performance improvements.
3. Consult with user personnel to ensure that problems have been properly identified and that the proposed solution will ensure proper resolution.
4. Analyze network performance, usage and traffic flows, accesses and interfaces, transmission techniques, and protocols. May be required to prepare studies on network performance and give presentations on communications concepts and recommended improvements.
5. Provide technical direction to other network personnel concerning data communications, front end devices, simulation and queuing analysis, and the configuration, integration, and testing of complex large-scale computer integrated networks.
6. Participate in the preparation of specifications for acquiring commercially available communications networks.
7. Work independently or as a team leader to ensure the integrity of multiple complex network systems.
8. Analyze new software releases and hardware upgrades to determine impact on existing components.
9. Perform complex diagnostic testing, analysis and optimization of all components of the network including power, communications, hardware, lines, modems, and workstations. Perform systems testing and optimization of software components.
10. Plan installations, transitions, and cutovers of network components and capabilities.
11. Analyze network characteristics such as traffic, transmission speeds, and throughput.
12. Review communications networks as to their ability to support current requirements and develops methodology for utilizing new technology to perform existing activities more effectively.
13. Recommend network security procedures, including new procedures to secure Internet Protocol version 6 (IPv6).
14. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.

Job Specifications

A Bachelor's degree in Computer Science or related field and Seven (7) years of progressive ADP and/or network experience. Three (3) years' experience in implementing and maintaining complex telecommunication systems, including: developing and testing communications software interface programs; developing specifications; using protocol interfaces for multiple environments. If proposed as a Task Leader, twelve (12) months experience supervision of activities similar to those included in the specific task to which assigned. A NOS specific and/or other additional professional certification may also be required if necessary to meet task requirements. Five (5) years of specific job related experience or eight (8) years of general

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related experience may be substituted for the Bachelor's degree requirement or a Master's degree in an appropriate discipline may be substituted for two (2) years of general experience and one (1) year of specialized experience.

11-1.74 Sr. Operating Systems Software Analyst/Programmer

General Summary

Works independently on highly complex operating systems analysis/programming projects using programming languages.

Principal Duties and Responsibilities

1. Install, generate, maintain, test and debug system software programs.
2. Develop instructions for use of operating systems software and modifies/maintains system software packages via releases and utilities from manufacturers.
3. Evaluate existing operating systems software and recommends changes.
4. Optimize systems software performance.
5. Responsible for applications dealing with the overall operating system, such as sophisticated file maintenance routines, networks, CAD or GIS system software, such as ArcSDE, ArcIMS, ArcGIS and Oracle Spatial or mathematical/scientific software packages.
6. Engineer highly complex software such as may relate directly to operating systems, their performance, or controlled devices.
7. Prepare and edit FIP documentation incorporating information provided by user, specialist, analyst, programmer, and operations personnel.
8. Interpret technical documentation standards and prepare documentation according to supplied standards.
9. Other duties may include writing, editing and/or graphic presentation of technical information for both technical and non-technical personnel.

Job Specifications

High School Diploma or equivalent and six (6) years of experience in operating systems programming and/or analysis. Three (3) years' experience working independently on highly complex operating systems analysis/programming projects using programming languages. Directly related college level study may be substituted for general experience at a rate of one (1) year of study for six (6) months of experience. No more than four (4) years of study may be substituted for experience. If proposed as a Task Leader, twelve (12) months experience in supervision/management of ADP Support Activities.

11-1.75 Sr. Program Manager

General Summary

Directs the performance of a variety of highly technical projects which may be organized by technology, program or client. Oversees the technology development and/or application enterprise and multi-agency geospatial project design, marketing, and resource allocation within program client base. Program areas typically include engineering, integration, test, systems analysis, quality assurance, etc.

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Principal Duties and Responsibilities:

1. Responsible for the effective management of funds and personnel, and is accountable for the quality and timely delivery of all contractual items.
2. Operates within client guidance, contractual limitations, and Company business and policy directives.
3. Serves as focal point of contact with client regarding program activities.
4. Ensures that all required resources are available for program implementation.
5. Maintains the development and execution of business opportunities based on broad, general guidance.
6. Confers with project manager to provide technical advice and to assist with problem resolution.
7. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and fifteen (15) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, thirteen (13) years of general experience is acceptable. With a PhD, eleven (11) years of general experience is required.

11-1.76 Sr. Programmer Analyst

General Summary

Works independently, with management review of end results. Has prime accountability for the maintenance and operating efficiency of a major subsystem, such as the teleprocessing network, database management systems or a GIS data application or integration.

Principal Duties and Responsibilities

1. Continually assess the performance of appropriate software systems to identify and correct problems which impact operation efficiency and work quality.
2. Maintains active liaison with user personnel to ensure continuing responsiveness of applicable system software user requirements.
3. Analyzes performance indicators such as system's response time and number of programs being processed to ensure operational efficiency.
4. Designs, codes, installs, and maintains appropriate systems software program.
5. Identifies, evaluates, tailors, and directs the implementation of vendor-supplied software packages.
6. Performs special system regenerations where applicable to reflect changes in peripheral configuration.
7. Ensures the maintenance of adequate software systems documentation.
8. Recommends to management the purchase or lease of system software packages and related hardware.

9. Provides technical assistance to less experienced systems software personnel in the resolution of complex system-related problems.
10. Trains users in applications programming and other user personnel in the use of systems software and related hardware.
11. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, four (4) years of general experience is required. With a PhD, two (2) years of general experience is required.

11-1.77 Sr. Software Engineer

General Summary

Under general supervision, engineers software solutions based upon client requirements. Generally, has one or more Software Engineers on staff and heads up projects that make use of commercially available or custom Computer Aided Software Engineering (CASE) tools as required. Also utilizes various COTS products and techniques such as Tomcat, PostgreSQL, Postgis, GML, KML, XML, ArcSDE, ArcIMS, ArcSDE, ArcGIS Server, ArcIMS, and Oracle Spatial, FGDC, OGIS, OGC and other GIS standards.

Principal Duties and Responsibilities

1. Engineers software solutions based upon client requirements.
2. Supervises a staff of Software Engineers as required.
3. Manages projects that make use of commercially-available or custom CASE tools as required.
4. Develops technical documentation detailing the project design parameters.
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is required. With a PhD, four (4) years of general experience is required.

11-1.78 Sr. Systems Analyst

General Summary

Acts as a lead in performing systems analysis of computer and communications/networks systems. Oversees the overall installation of computer operating systems, network, and application software, hypervisors and other Cloud Computing infrastructure components, SOA software (ESBs, Web Servers, Business Process Software, Portal Servers). Has ability to adapt to new situations and environments. Possesses keen troubleshooting skills to assist other Sr. Systems Analysts and Program Managers to analyze enterprise information and geospatial architectures, process workflow management, ESRI technology, Oracle Spatial, and Web services.

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Principal Duties and Responsibilities

1. Performs systems analysis of computer and networking systems.
2. Supports other Sr. Systems Analysts and Program Managers, as required.
3. Oversees the overall integration of all systems peripherals so that they can operate correctly within a predefined environment.
4. Oversees hotline support to customers.
5. Analyzes and develops technical documentation detailing the installation procedures.
6. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is acceptable. With a PhD, four (4) years of general experience is required.

11-1.79 Sr. Systems Engineer

General Summary

Acts as a lead in defining and executing systems engineering activities within a project such as process definition and workflow management. These activities may consist of systems planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, and development and staffing of a systems engineering or security management plan.

Principal Duties and Responsibilities

1. Performs systems engineering planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, security impact analysis.
2. Development and staffing of a systems engineering or security management plan.
3. Supports other Sr. Systems Engineers and Program Managers, as required.
4. Analyzes and develops technical documentation detailing the integration and system performance or information security.
5. May analyze security implications of authentication and authorization of Cloud based services spanning all the Delivery Models (SaaS, PaaS, IaaS).
6. Coordinates the activities of Systems Engineers and Jr. Systems Engineers assigned to specific systems engineering projects.
7. May analyze security implications of transitioning from IPv4 to Internet Protocol version 6 (IPv6).
8. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree,

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six (6) years of general experience is required. With a PhD, four (4) years of general experience is required.

11-1.80 Sr. System Integration Engineer

General Summary

Acts as a lead in defining and executing integration engineering activities within a project. These activities may consist of concept exploration and assessment, systems integration, systems of systems integration, performance management, technology assessment, testing and validation, and development and staffing of a systems integration plan.

Principal Duties and Responsibilities:

1. Performs concept exploration and assessment, systems integration, systems of systems integration, performance management, technology assessment, testing and validation.
2. Development and staffing of a systems integration management plan.
3. Supports other Engineers and Program Managers, as required.
4. Analyzes and develops technical documentation detailing the integration and system performance.
5. Coordinates the activities of system integration engineers assigned to specific systems integration projects.
6. May test implementation of Internet Protocol version 6 (IPv6).
7. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and twelve (12) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, ten (10) years of general experience is required. With a PhD, 8 year of general experience is required.

11-1.81 Sr. Trainer

General Summary

Identifies, develops, implements, and conducts training and instruction of technical-based subject matter related to computer hardware/software, communications, local and wide area networking, Internet, video, imaging, geospatial capabilities & products and business processes, Government regulations, procurement/acquisition, strategic planning, etc., as required for a particular situation.

Principal Duties and Responsibilities

1. Designs, develops, prepares and refines training curriculum and course materials for various classroom and other instructional environments.
2. Possesses skills and knowledge in computer-based and multimedia training environments.
3. Conducts training requirements surveys, designs computer-based and multimedia curriculum in response to specific system training requirements during the life cycle.

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4. Is intimately knowledgeable in the subject matters for which he/she is developing curriculum.
5. Supervises Training Specialists in the instruction of individual trainees as well as whole classes of students in a variety of technical-based subject matter.
6. Collaborates, when necessary, with outside entities.
7. May develop training on Internet Protocol version 6 (IPv6) and on issues dealing with the transition from IPv4 to IPv6.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, four (4) years of general experience is required. With a PhD, two (2) years of general experience is required.

11-1.82 Software Engineer

General Summary

Under general supervision, engineer's software solutions based upon client requirements. Generally reports to a Sr. Software Engineer and makes use of commercially-available or custom Computer Aided Software Engineering (CASE) tools as required also may utilize COTS products and techniques including Tomcat, PostgreSQL, Postgis, GML, KML, XML, web services, ArcSDE, ArcIMS, ArcSDE, ArcGIS Server, ArcIMS, and Oracle Spatial,

Principal Duties and Responsibilities

1. Engineer's software solutions based upon client requirements.
2. Supports a Sr. Software Engineer as required.
3. Uses commercially-available or custom CASE tools as required.
4. Develops technical documentation detailing the project design parameters.
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

11-1.83 Subject Matter Expert

General Summary

Expert in single or multiple technical disciplines. Provides Expert guidance and insight into specific technologies and their application and independently performs a variety of system design and integration tasks where a specific subject matter expertise is necessary.

Principal Duties and Responsibilities

1. Plans and performs research, design assessment, development, integration and other assignments in a specific technical area.

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2. Supervises broad team of systems engineers.
3. Responsible for highly complex technical/engineering areas.
4. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and 17 years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, fifteen (15) years of general experience is required. With a PhD, 13 year of general experience is required.

11-1.84 Systems Administrator

General Summary

Supervises and manages the daily activities of configuration and operation of business systems which may be mainframe, mini, or client/server based.

Principal Duties and Responsibilities

1. Optimizes system operation and resource utilization, and performs system capacity analysis and planning.
2. Provides assistance to users in accessing and using business systems.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree no experience is required.

11-1.85 Sr. Systems Administrator

General Summary

Supervises and manages the daily activities of configuration and operation of business systems which may be mainframe, mini, or client/server based.

Principal Duties and Responsibilities

1. Optimizes system operation and resource utilization, and performs system capacity analysis and planning.
2. Provides assistance to users in accessing and using business systems.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree no experience is required.

11-1.86 Systems Analyst

General Summary

Under general supervision, performs systems analysis of computer and communications/network systems. Performs systems installation of computer operating systems, network, and applications software, and computer/network hardware, hypervisors and other Cloud Computing infrastructure components, SOA software (ESBs, Web Servers,

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Business Process Software, Portal Servers). Provides hotline support to customers. Has ability to adapt to new situations and environments including GIS applications and requirements. Possesses keen troubleshooting skills to assist Sr. Systems Analysts.

Principal Duties and Responsibilities

1. Performs systems analysis of computer and networking systems.
2. Supports a Sr. Systems Analyst, as required.
3. Provides overall integration of all systems peripherals so that they operate correctly within a predefined environment.
4. Provides hotline support to customers.
5. Develops technical documentation detailing the installation procedures.
6. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is acceptable. With a PhD, one (1) year of general experience is required.

11-1.87 Systems Architect

General Summary

Senior scientist who independently performs a variety of system design and engineering tasks which are broad in nature and are concerned with design and implementation of major enterprise systems development and integration, including supporting personnel, hardware, software, and support facilities and/or equipment. Supervises team of Sr. Systems Engineers, Network Engineers, Sr. Network Engineers, and Network Engineers through project completion and is considered a Subject Matter Expert (SME) in one or more specific areas of computer system design and networking.

Principal Duties and Responsibilities

1. Plans and performs systems and networking engineering research, design development, and other assignments in conformance with system and network design, engineering, and customer specifications.
2. Supervises team of Sr. Systems Engineers, Systems Engineers, Sr. Network Engineers, and Network Engineers.
3. Responsible for highly complex technical/engineering projects.
4. Coordinates the activities of Sr. Systems Engineers, Systems Engineers, Sr. Network Engineers, and Network Engineers assigned to specific system and network engineering projects.
5. Is the lead technical authority on the project
6. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
7. May perform other duties, as assigned.

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Job Specifications

Master's degree or equivalent and ten (10) years of general experience. A Bachelor's degree and nine (9) years of general experience is equivalent to a Master's degree or a High School Diploma (or equivalent) and fifteen (15) years of general experience is considered equivalent to a Master's degree. With a Doctorate, eight (8) years of general experience is acceptable.

11-1.88 Systems Engineer

General Summary

Under general supervision, defines and executes systems engineering activities within a project. These activities may consist of systems planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, and development and staffing of a systems engineering or security management plan.

Principal Duties and Responsibilities

1. Performs systems engineering planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, security impact analysis.
2. Development and staffing of a systems engineering or security management plan.
3. Supports a Sr. Systems Engineer, as required.
4. Analyzes and develops technical documentation detailing the integration and system performance or information security.
5. May analyze security implications of authentication and authorization of Cloud based services spanning all the Delivery Models (SaaS, PaaS, IaaS).
6. Coordinates the activities of Systems Engineers and Jr. Systems Engineers assigned to specific systems engineering projects.
7. May analyze security implications of transitioning from IPv4 to Internet Protocol version 6 (IPv6).
8. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

11-1.89 Systems Integration Architect

General Summary

Senior Architect who independently performs a variety of system design and integration tasks which are broad in nature and are concerned with design, implementation and architecting of major systems, systems of systems, integration of systems elements and related support systems. Often supervises a broad team of engineers through project completion.

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Principal Duties and Responsibilities

1. Plans and performs systems engineering research, design, development, integration and other assignments in conformance with system design, engineering, and customer specifications.
2. Supervises broad team of systems engineers.
3. Responsible for highly complex technical/engineering projects.
4. Often leads team in technical areas.
5. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and fourteen (14) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, twelve (12) years of general experience is required. With a PhD, 10 year of general experience is required.

11-1.90 Systems Integration Engineer

General Summary

Under general supervision, defines and executes integration engineering activities within a project. These activities may consist of concept exploration and assessment, systems integration, GIS integration, legacy systems integration, performance management, technology assessment, testing and validation, and development and staffing of a systems integration plan.

Principal Duties and Responsibilities

1. Performs concept exploration and assessment, systems integration, systems of systems integration, performance management, technology assessment, testing and validation.
2. Supports a Sr. System Integration Engineer, as required.
3. Analyzes and develops technical documentation detailing the integration and system performance.
4. May test implementation of Internet Protocol version 6 (IPv6).
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is required. With a PhD, 4 year of general experience is required.

11-1.91 Systems Operator

General Summary

Monitors and supports computer processing.

Principal Duties and Responsibilities

1. Coordinates input, output, and file media.
2. Distributes output and controls computer operation which may be mainframe, mini, or client/server based.

Job Specifications

High School Diploma and two (2) years of general experience. There is no experience substitution for a High School Diploma, however a G.E.D., other degree equivalency program, or a technical trade school certificate is acceptable. With a Bachelor's degree no experience is required.

11-1.92 Technical Writer/Editor

General Summary

Assists in collecting and organizing information required for preparation of user's manuals, training materials, installation guides, proposals, and other reports and deliverables. May have experience in Information Security.

Principal Duties and Responsibilities

1. Edits functional descriptions, system specifications, user's manuals, special reports, or any other customer deliverables and documents or information security related documents.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

11-1.93 Training Specialist

General Summary

Conducts the research necessary to develop and revise training courses including GIS courses.

Principal Duties and Responsibilities

1. Develops and revises these courses and prepares appropriate training catalogs.
2. Prepares instructor materials (course outline, background material, and training aids).
3. Prepares student materials (course manuals, workbooks, handouts, completion certificates, and course critique forms).
4. Trains personnel by conducting formal classroom courses, workshops and seminars.
5. May provide training on Internet Protocol version 6 (IPv6).

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree no experience is required.

11-1.94 Webmaster

General Summary

Works independently in support of client requirements. Installs and configures WWW hardware; installs and implements WWW software; designs, develops, implements, and maintains Home/WEB pages tailored to client requirements.

Principal Duties and Responsibilities

1. Utilize software, such as, JAVA, HTML, Windows 95/NT, Visual C++, Visual Basic, PERL, C Shell scripts, Novell Netware, UNIX, TCP/IP, and various WEB authoring tools, e.g., Microsoft's Frontpage and Lotus Notes' Domino.
2. Monitor usage, pages browsed, time online; maintain currency with the Internet Service Providers (ISPs), e.g., CompuServe, AOL, and Traveler's capabilities and performance by tracking downtime, and online performance.
3. Remain abreast of the latest developments in software, hardware, and services provided by the ISPs and recommends upgrades/alternatives to more effectively meet client requirements.
4. Navigate databases; develop capabilities to prevent unauthorized intrusions; train users on ISP, homepage, and WKW use; and prepare/edit system documentation.
5. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.

Job Specifications

High School Diploma or equivalent and four (4) years general experience in microcomputer technology. Two (2) years' experience in various network technologies for LAN and WAN, servers, network operating systems and protocols, inter/intranet servers and languages, and designing, developing, and maintaining WEB pages. If proposed as Task Leader, twelve (12) months in supervision/management of ADP support activities.

**11-2.0 HIGHLY ADAPTIVE CYBER SECURITY SERVICES (HACS)
PRICE LIST (SIN 54151HACS)**

11-2.1 Leidos On-Site Rates

All Rates Include GSA IFF (.75%)

**SIN 54151HACS HIGHLY ADAPTIVE CYBERSECURITY SERVICES (HACS) PROFESSIONAL SERVICES
PRICE LIST**

GS -35F-116AA	5-YEAR OPTION PERIOD 1 - 12/13/2017 through 12/12/2022				
	Contract Year 6	Contract Year 7	Contract Year 8	Contract Year 9	Contract Year 10
LEIDOS CONTRACTOR / ON-SITE RATES All Rates Include GSA IFF (.75%)	12/13/2017 through 12/12/2018	12/13/2018 through 12/12/2019	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
Administrative Support	\$ 68.28	\$ 69.92	\$ 71.60	\$ 73.32	\$ 75.08
Computer Operator	\$ 81.56	\$ 83.52	\$ 85.52	\$ 87.57	\$ 89.67
Computer System/Network Engineer	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Cost Analyst	\$ 85.34	\$ 87.39	\$ 89.49	\$ 91.64	\$ 93.84
Data Entry/Analyst I	\$ 66.45	\$ 68.04	\$ 69.67	\$ 71.34	\$ 73.05
Data Entry/Analyst II	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Data Entry/Analyst III	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Data Warehouse Specialist I	\$ 85.34	\$ 87.39	\$ 89.49	\$ 91.64	\$ 93.84
Data Warehouse Specialist II	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Data Warehouse Specialist III	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Data Warehouse Specialist IV	\$ 138.72	\$ 142.05	\$ 145.46	\$ 148.95	\$ 152.52
Data Warehouse Specialist V	\$ 157.86	\$ 161.65	\$ 165.53	\$ 169.50	\$ 173.57
Draftsman	\$ 62.83	\$ 64.34	\$ 65.88	\$ 67.46	\$ 69.08
Enterprise Consultant	\$ 195.18	\$ 199.86	\$ 204.66	\$ 209.57	\$ 214.60
ERP Consultant I	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
ERP Consultant II	\$ 101.07	\$ 103.50	\$ 105.98	\$ 108.52	\$ 111.12
ERP Consultant III	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Functional Analyst	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Functional Specialist	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Hardware/Software Installation Technician	\$ 69.66	\$ 71.33	\$ 73.04	\$ 74.79	\$ 76.58
Hardware/Software Specialist I	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Hardware/Software Specialist II	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Hardware/Software Specialist III	\$ 157.53	\$ 161.31	\$ 165.18	\$ 169.14	\$ 173.20
Help Desk Manager	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Help Desk Specialist	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Information Engineer I	\$ 69.66	\$ 71.33	\$ 73.04	\$ 74.79	\$ 76.58

11-2.0 HIGHLY ADAPTIVE CYBER SECURITY SERVICES (HACS) PRICE LIST (SIN 54151HACS)

Information Engineer II	\$ 91.22	\$ 93.41	\$ 95.65	\$ 97.95	\$ 100.30
Information Engineer III	\$ 138.72	\$ 142.05	\$ 145.46	\$ 148.95	\$ 152.52
Information Engineer IV	\$ 184.64	\$ 189.07	\$ 193.61	\$ 198.26	\$ 203.02
Information Engineer V	\$ 213.22	\$ 218.34	\$ 223.58	\$ 228.95	\$ 234.44
Internet/Intranet Specialist I	\$ 77.63	\$ 79.49	\$ 81.40	\$ 83.35	\$ 85.35
Internet/Intranet Specialist II	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Internet/Intranet Specialist III	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Information Systems Engineer	\$ 95.75	\$ 98.05	\$ 100.40	\$ 102.81	\$ 105.28
Jr. Enterprise Consultant	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Jr. Functional Specialist	\$ 77.63	\$ 79.49	\$ 81.40	\$ 83.35	\$ 85.35
Jr. Systems Analyst	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Jr. Systems Engineer	\$ 95.75	\$ 98.05	\$ 100.40	\$ 102.81	\$ 105.28
Network Architecture Engineer I	\$ 91.22	\$ 93.41	\$ 95.65	\$ 97.95	\$ 100.30
Network Architecture Engineer II	\$ 110.50	\$ 113.15	\$ 115.87	\$ 118.65	\$ 121.50
Network Engineer	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Network Management Engineer I	\$ 110.50	\$ 113.15	\$ 115.87	\$ 118.65	\$ 121.50
Network Management Engineer II	\$ 128.33	\$ 131.41	\$ 134.56	\$ 137.79	\$ 141.10
Network Management Engineer III	\$ 231.26	\$ 236.81	\$ 242.49	\$ 248.31	\$ 254.27
Network Management Engineer IV	\$ 231.26	\$ 236.81	\$ 242.49	\$ 248.31	\$ 254.27
Sr Network Technician	\$ 117.52	\$ 120.34	\$ 123.23	\$ 126.19	\$ 129.22
Operations Manager	\$ 122.24	\$ 125.17	\$ 128.17	\$ 131.25	\$ 134.40
Production Control Specialist	\$ 69.66	\$ 71.33	\$ 73.04	\$ 74.79	\$ 76.58
Program Manager	\$ 209.28	\$ 214.30	\$ 219.44	\$ 224.71	\$ 230.10
Programmer Analyst	\$ 85.34	\$ 87.39	\$ 89.49	\$ 91.64	\$ 93.84
Project Control Specialist	\$ 90.63	\$ 92.81	\$ 95.04	\$ 97.32	\$ 99.66
Quality Assurance Analyst	\$ 95.75	\$ 98.05	\$ 100.40	\$ 102.81	\$ 105.28
Sr. Enterprise Consultant	\$ 231.26	\$ 236.81	\$ 242.49	\$ 248.31	\$ 254.27
Sr. Information Systems Engineer	\$ 160.49	\$ 164.34	\$ 168.28	\$ 172.32	\$ 176.46
Sr. Network Engineer	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Sr. Network Operations Analyst/Technician	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Sr. Operator Systems Software Analyst/Programmer	\$ 125.72	\$ 128.74	\$ 131.83	\$ 134.99	\$ 138.23
Sr. Program Manager	\$ 240.56	\$ 246.33	\$ 252.24	\$ 258.29	\$ 264.49
Sr. Programmer Analyst	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Sr. Software Engineer	\$ 141.48	\$ 144.88	\$ 148.36	\$ 151.92	\$ 155.57
Sr. Systems Analyst	\$ 166.94	\$ 170.95	\$ 175.05	\$ 179.25	\$ 183.55
Sr. Systems Engineer	\$ 160.49	\$ 164.34	\$ 168.28	\$ 172.32	\$ 176.46
Sr. Systems Integration Engineer	\$ 187.83	\$ 192.34	\$ 196.96	\$ 201.69	\$ 206.53
Sr. Trainer	\$ 100.73	\$ 103.15	\$ 105.63	\$ 108.17	\$ 110.77
Software Engineer	\$ 117.52	\$ 120.34	\$ 123.23	\$ 126.19	\$ 129.22
Subject Matter Expert	\$ 243.86	\$ 249.71	\$ 255.70	\$ 261.84	\$ 268.12

11-2.0 HIGHLY ADAPTIVE CYBER SECURITY SERVICES (HACS) PRICE LIST (SIN 54151HACS)

Systems Administrator	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Sr Systems Administrator	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Systems Analyst	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Systems Architect	\$ 201.83	\$ 206.67	\$ 211.63	\$ 216.71	\$ 221.91
Systems Engineer	\$ 126.57	\$ 129.61	\$ 132.72	\$ 135.91	\$ 139.17
Systems Integration Architect	\$ 243.86	\$ 249.71	\$ 255.70	\$ 261.84	\$ 268.12
Systems Integration Engineer	\$ 151.38	\$ 155.01	\$ 158.73	\$ 162.54	\$ 166.44
Systems Operator	\$ 51.38	\$ 52.61	\$ 53.87	\$ 55.16	\$ 56.48
Technical Writer/Editor	\$ 86.63	\$ 88.71	\$ 90.84	\$ 93.02	\$ 95.25
Training Specialist	\$ 83.11	\$ 85.10	\$ 87.14	\$ 89.23	\$ 91.37
Webmaster	\$ 69.19	\$ 70.85	\$ 72.55	\$ 74.29	\$ 76.07
Cyber Security Manager I	\$ 195.18	\$ 199.86	\$ 204.66	\$ 209.57	\$ 214.60
Cyber Security Manager II	\$ 291.83	\$ 298.83	\$ 306.00	\$ 313.34	\$ 320.86
Cyber Security Specialist I	\$ 66.45	\$ 68.04	\$ 69.67	\$ 71.34	\$ 73.05
Cyber Security Specialist II	\$ 101.07	\$ 103.50	\$ 105.98	\$ 108.52	\$ 111.12
Cyber Security Specialist III	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Information Security Manager I	\$ 173.33	\$ 177.49	\$ 181.75	\$ 186.11	\$ 190.58
Information Security Manager II	\$ 195.18	\$ 199.86	\$ 204.66	\$ 209.57	\$ 214.60
Information Security Manager III	\$ 231.26	\$ 236.81	\$ 242.49	\$ 248.31	\$ 254.27
Information Security Specialist I	\$ 66.45	\$ 68.04	\$ 69.67	\$ 71.34	\$ 73.05
Information Security Specialist II	\$ 101.07	\$ 103.50	\$ 105.98	\$ 108.52	\$ 111.12
Information Security Specialist III	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Sr. Cyber Security Specialist I	\$ 157.53	\$ 161.31	\$ 165.18	\$ 169.14	\$ 173.20
Sr. Cyber Security Specialist II	\$ 195.18	\$ 199.86	\$ 204.66	\$ 209.57	\$ 214.60
Sr. Cyber Security Specialist III	\$ 291.83	\$ 298.83	\$ 306.00	\$ 313.34	\$ 320.86
Sr. Information Security Specialist I	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Sr. Information Security Specialist II	\$ 173.33	\$ 177.49	\$ 181.75	\$ 186.11	\$ 190.58
Sr. Information Security Specialist III	\$ 195.18	\$ 199.86	\$ 204.66	\$ 209.57	\$ 214.60
HS = High School BD = Bachelor's Degree MA = Master's Degree equiv = equivalent					
* The price reduction offered to GSA shall not apply to task orders issued and outstanding quotes submitted prior to the effective date of the resulting modification. Additionally, price reductions shall not apply for any Contract Options or Option Years within existing task orders and/or quotes submitted prior to the effective date of the resulting modification.					

11-2.0 HIGHLY ADAPTIVE CYBER SECURITY SERVICES (HACS) PRICE LIST (SIN 54151HACS)

11-2.2 Customer/Off -Site Rates

All Rates Include GSA IFF (.75%)

SIN 54151HACS HIGHLY ADAPTIVE CYBERSECURITY SERVICES (HACS) PROFESSIONAL SERVICES PRICE LIST

GS -35F-116AA	5-YEAR OPTION PERIOD 1 - 12/13/2017 through 12/12/2022				
	Contract Year 6	Contract Year 7	Contract Year 8	Contract Year 9	Contract Year 10
GOVERNMENT / OFF-SITE RATES All Rates Include GSA IFF (.75%)	12/13/2017 through 12/12/2018	12/13/2018 through 12/12/2019	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
Administrative Support	\$ 53.98	\$55.28	\$56.61	\$57.97	\$59.36
Computer Operator	\$ 64.47	\$66.02	\$67.60	\$69.22	\$70.88
Computer System/Network Engineer	\$ 108.07	\$110.66	\$113.32	\$116.04	\$118.82
Cost Analyst	\$ 66.95	\$68.56	\$70.21	\$71.90	\$73.63
Data Entry/Analyst I	\$ 52.53	\$53.79	\$55.08	\$56.40	\$57.75
Data Entry/Analyst II	\$ 64.31	\$65.85	\$67.43	\$69.05	\$70.71
Data Entry/Analyst III	\$ 78.17	\$80.05	\$81.97	\$83.94	\$85.95
Data Warehouse Specialist I	\$ 66.95	\$68.56	\$70.21	\$71.90	\$73.63
Data Warehouse Specialist II	\$ 78.17	\$80.05	\$81.97	\$83.94	\$85.95
Data Warehouse Specialist III	\$ 94.81	\$97.09	\$99.42	\$101.81	\$104.25
Data Warehouse Specialist IV	\$ 109.68	\$112.31	\$115.01	\$117.77	\$120.60
Data Warehouse Specialist V	\$ 123.83	\$126.80	\$129.84	\$132.96	\$136.15
Draftsman	\$ 49.52	\$50.71	\$51.93	\$53.18	\$54.46
Enterprise Consultant	\$ 154.30	\$158.00	\$161.79	\$165.67	\$169.65
ERP Consultant I	\$ 64.31	\$65.85	\$67.43	\$69.05	\$70.71
ERP Consultant II	\$ 79.90	\$81.82	\$83.78	\$85.79	\$87.85
ERP Consultant III	\$ 94.81	\$97.09	\$99.42	\$101.81	\$104.25
Functional Analyst	\$ 94.81	\$97.09	\$99.42	\$101.81	\$104.25
Functional Specialist	\$ 108.07	\$110.66	\$113.32	\$116.04	\$118.82
Hardware/Software Installation Technician	\$ 55.06	\$56.38	\$57.73	\$59.12	\$60.54
Hardware/Software Specialist I	\$ 64.31	\$65.85	\$67.43	\$69.05	\$70.71
Hardware/Software Specialist II	\$ 94.81	\$97.09	\$99.42	\$101.81	\$104.25
Hardware/Software Specialist III	\$ 124.54	\$127.53	\$130.59	\$133.72	\$136.93
Help Desk Manager	\$ 108.07	\$110.66	\$113.32	\$116.04	\$118.82
Help Desk Specialist	\$ 64.31	\$65.85	\$67.43	\$69.05	\$70.71
Information Engineer I	\$ 55.06	\$56.38	\$57.73	\$59.12	\$60.54
Information Engineer II	\$ 72.11	\$73.84	\$75.61	\$77.42	\$79.28
Information Engineer III	\$ 109.52	\$112.15	\$114.84	\$117.60	\$120.42
Information Engineer IV	\$ 144.87	\$148.35	\$151.91	\$155.56	\$159.29

11-2.0 HIGHLY ADAPTIVE CYBER SECURITY SERVICES (HACS) PRICE LIST (SIN 54151HACS)

Information Engineer V	\$ 168.56	\$172.61	\$176.75	\$180.99	\$185.33
Internet/Intranet Specialist I	\$ 61.37	\$62.84	\$64.35	\$65.89	\$67.47
Internet/Intranet Specialist II	\$ 64.31	\$65.85	\$67.43	\$69.05	\$70.71
Internet/Intranet Specialist III	\$ 94.81	\$97.09	\$99.42	\$101.81	\$104.25
Information Systems Engineer	\$ 75.69	\$77.51	\$79.37	\$81.27	\$83.22
Jr. Enterprise Consultant	\$ 94.81	\$97.09	\$99.42	\$101.81	\$104.25
Jr. Functional Specialist	\$ 61.37	\$62.84	\$64.35	\$65.89	\$67.47
Jr. Systems Analyst	\$ 78.17	\$80.05	\$81.97	\$83.94	\$85.95
Jr. Systems Engineer	\$ 75.69	\$77.51	\$79.37	\$81.27	\$83.22
Network Architecture Engineer I	\$ 72.11	\$73.84	\$75.61	\$77.42	\$79.28
Network Architecture Engineer II	\$ 87.36	\$89.46	\$91.61	\$93.81	\$96.06
Network Engineer	\$ 78.17	\$80.05	\$81.97	\$83.94	\$85.95
Network Management Engineer I	\$ 87.36	\$89.46	\$91.61	\$93.81	\$96.06
Network Management Engineer II	\$ 101.45	\$103.88	\$106.37	\$108.92	\$111.53
Network Management Engineer III	\$ 182.56	\$186.94	\$191.43	\$196.02	\$200.72
Network Management Engineer IV	\$ 182.82	\$187.21	\$191.70	\$196.30	\$201.01
Sr Network Technician	\$ 92.22	\$94.43	\$96.70	\$99.02	\$101.40
Operations Manager	\$ 95.90	\$98.20	\$100.56	\$102.97	\$105.44
Production Control Specialist	\$ 55.06	\$56.38	\$57.73	\$59.12	\$60.54
Program Manager	\$ 165.45	\$169.42	\$173.49	\$177.65	\$181.91
Programmer Analyst	\$ 66.95	\$68.56	\$70.21	\$71.90	\$73.63
Project Control Specialist	\$ 71.64	\$73.36	\$75.12	\$76.92	\$78.77
Quality Assurance Analyst	\$ 75.69	\$77.51	\$79.37	\$81.27	\$83.22
Sr. Enterprise Consultant	\$ 182.82	\$187.21	\$191.70	\$196.30	\$201.01
Sr. Information Systems Engineer	\$ 126.88	\$129.93	\$133.05	\$136.24	\$139.51
Sr. Network Engineer	\$ 108.07	\$110.66	\$113.32	\$116.04	\$118.82
Sr. Network Operations Analyst/Technician	\$ 108.07	\$110.66	\$113.32	\$116.04	\$118.82
Sr. Operator Systems Software Analyst/Programmer	\$ 99.39	\$101.78	\$104.22	\$106.72	\$109.28
Sr. Program Manager	\$ 190.18	\$194.74	\$199.41	\$204.20	\$209.10
Sr. Programmer Analyst	\$ 94.81	\$97.09	\$99.42	\$101.81	\$104.25
Sr. Software Engineer	\$ 111.00	\$113.66	\$116.39	\$119.18	\$122.04
Sr. Systems Analyst	\$ 131.98	\$135.15	\$138.39	\$141.71	\$145.11
Sr. Systems Engineer	\$ 126.88	\$129.93	\$133.05	\$136.24	\$139.51
Sr. Systems Integration Engineer	\$ 148.50	\$152.06	\$155.71	\$159.45	\$163.28
Sr. Trainer	\$ 79.63	\$81.54	\$83.50	\$85.50	\$87.55
Software Engineer	\$ 92.22	\$94.43	\$96.70	\$99.02	\$101.40
Subject Matter Expert	\$ 192.79	\$197.42	\$202.16	\$207.01	\$211.98
Systems Administrator	\$ 78.17	\$80.05	\$81.97	\$83.94	\$85.95
Sr Systems Administrator	\$ 108.07	\$110.66	\$113.32	\$116.04	\$118.82
Systems Analyst	\$ 94.81	\$97.09	\$99.42	\$101.81	\$104.25

11-2.0 HIGHLY ADAPTIVE CYBER SECURITY SERVICES (HACS) PRICE LIST (SIN 54151HACS)

Systems Architect	\$ 159.57	\$163.40	\$167.32	\$171.34	\$175.45
Systems Engineer	\$ 100.06	\$102.46	\$104.92	\$107.44	\$110.02
Systems Integration Architect	\$ 192.79	\$197.42	\$202.16	\$207.01	\$211.98
Systems Integration Engineer	\$ 119.68	\$122.55	\$125.49	\$128.50	\$131.58
Systems Operator	\$ 40.31	\$41.28	\$42.27	\$43.28	\$44.32
Technical Writer/Editor	\$ 68.49	\$70.13	\$71.81	\$73.53	\$75.29
Training Specialist	\$ 65.22	\$66.79	\$68.39	\$70.03	\$71.71
Webmaster	\$ 55.31	\$56.64	\$58.00	\$59.39	\$60.82
Cyber Security Manager I	\$ 154.30	\$158.00	\$161.79	\$165.67	\$169.65
Cyber Security Manager II	\$ 230.72	\$236.26	\$241.93	\$247.74	\$253.69
Cyber Security Specialist I	\$ 52.53	\$53.79	\$55.08	\$56.40	\$57.75
Cyber Security Specialist II	\$ 79.79	\$81.70	\$83.66	\$85.67	\$87.73
Cyber Security Specialist III	\$ 94.81	\$97.09	\$99.42	\$101.81	\$104.25
Information Security Manager I	\$ 137.03	\$140.32	\$143.69	\$147.14	\$150.67
Information Security Manager II	\$ 154.30	\$158.00	\$161.79	\$165.67	\$169.65
Information Security Manager III	\$ 182.82	\$187.21	\$191.70	\$196.30	\$201.01
Information Security Specialist I	\$ 52.53	\$53.79	\$55.08	\$56.40	\$57.75
Information Security Specialist II	\$ 79.90	\$81.82	\$83.78	\$85.79	\$87.85
Information Security Specialist III	\$ 94.81	\$97.09	\$99.42	\$101.81	\$104.25
Sr. Cyber Security Specialist I	\$ 124.54	\$127.53	\$130.59	\$133.72	\$136.93
Sr. Cyber Security Specialist II	\$ 154.30	\$158.00	\$161.79	\$165.67	\$169.65
Sr. Cyber Security Specialist III	\$ 230.72	\$236.26	\$241.93	\$247.74	\$253.69
Sr. Information Security Specialist I	\$ 108.07	\$110.66	\$113.32	\$116.04	\$118.82
Sr. Information Security Specialist II	\$ 137.03	\$140.32	\$143.69	\$147.14	\$150.67
Sr. Information Security Specialist III	\$ 154.30	\$158.00	\$161.79	\$165.67	\$169.65
HS = High School BD = Bachelor's Degree MA = Master's Degree equiv = equivalent					
* The price reduction offered to GSA shall not apply to task orders issued and outstanding quotes submitted prior to the effective date of the resulting modification. Additionally, price reductions shall not apply for any Contract Options or Option Years within existing task orders and/or quotes submitted prior to the effective date of the resulting modification.					

11-2.0 HIGHLY ADAPTIVE CYBER SECURITY SERVICES (HACS) PRICE LIST (SIN 54151HACS)

**12.0 TERMS AND CONDITIONS APPLICABLE TO PURCHASE OF
TRAINING COURSES FOR GENERAL PURPOSE INFORMATION
TECHNOLOGY EQUIPMENT AND SOFTWARE
(SPECIAL ITEM NUMBER 611420)**

12.1 Scope

- (a) The Contractor shall provide training courses normally available to commercial customers, which will permit ordering activity users to make full, efficient use of general purpose commercial IT products. Training is restricted to training courses for those products within the scope of this solicitation.
- (b) The Contractor shall provide training at the Contractor's facility and/or at the ordering activity's location, as agreed to by the Contractor and the ordering activity.

12.2 Content of Training

- (a) The following information for each training course offered can be found in the standard commercial terms for each supplier.
 - (1) The course title and a brief description of the course content
 - (2) The length of the course;
 - (3) Type of training;
 - (4) Location (on or off customer site);
 - (5) any other pertinent details to the training offered;
 - (6) Class schedules; and
 - (7) Price (per student, per class (if applicable)).
- (b) If other than manufacturer, the Contractor shall submit proof of authorization to provide training course(s) for manufacturer's software and/or hardware products.

13.0 TERMS AND CONDITIONS APPLICABLE TO INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES (SIN 54151S) AND HEALTH INFORMATION (IT) SERVICES (SIN 54151HEAL)

13.1 Scope

- (a) The prices, terms and conditions stated under Special Item Number 54151S Information Technology Professional Services and Special Item Number 54151HEAL Health IT 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.

13.2 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.

13.3 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 (Deviation – Dec 2007) Rights in Data – General, may apply.

Services offered SIN 54151HEAL shall be in accordance with the following laws and standards when applicable to the specific task orders, including but not limited to:

- o Health Information Technology for Economic and Clinical Health Act of 2009 (HITECH)
- o The Health Insurance Portability and Accountability Act of 1996 (HIPAA)
- o The National Institute of Standards and Technology (NIST) Federal Information Processing Standards (FIPS) and Special Publications
- o Federal Information Security Management Act (FISMA) of 2002

13.4 Description of IT/IAM Professional Services and Pricing:

13.4.1 IT Professional Services

Leidos' GSA Information Technology Schedule (GS-35F-116AA) provides federal agencies as well as state and local governments with a streamlined procurement vehicle to acquire cutting-edge information technology services and selected IT products. Leidos offers IT related personnel services via specific labor categories that provide program management, engineering, analysis, evaluation, information security, facilities management, logistics services,

13.0 TERMS AND CONDITIONS APPLICABLE TO INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES (SIN 54151S) AND HEALTH INFORMATION (IT) SERVICES (SIN 54151HEAL)

ERP consultants, software engineers, data warehouse specialists, telecommunications network design and installation, cloud computing, IPv4 to IPv6 transition support and HSPD-12 professional services and many more. A description of Leidos' IT labor categories are provided herein.

13.4.2 Health IT Services

Includes a wide range of Health IT services to include connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, and other Health IT services.

13.4.3 Pricing

The Labor Rate Tables represent fully loaded hourly labor rates for each labor category at the contractor site (on-site) and at the Government site (off-site) for the contract Base Period ending 12 December 2017. The published rates are inclusive of the GSA FAS Industrial Funding Fee. This contract uses performance based Statements of Work (SOWs) and allows for Firm-Fixed Price (FFP), Fixed Price/Level of Effort, Time and Materials or Labor-Hour Task/Delivery Orders.

On-Site (Contractor site) Rates: The Contractor will furnish personnel. The Contractor will also furnish such items as office space, normal office equipment and supplies required to perform the work specified in the task/delivery order. This includes telephones, faxes, personnel computers, postage, business software (e.g., word processors, spreadsheets, and graphics) and nominal reproduction. Additional items will be an ODC if not provided by the Government.

Off-Site (Government site) Rates: The Contractor will furnish personnel. The Government will furnish office space, equipment and supplies required to perform the work specified in the task/delivery order. This includes telephones, faxes, personnel computers, postage, business software (e.g., word processors, spreadsheets, and graphics) and all reproduction. Such items will be an ODC if not provided by the Government.

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13-1.1 Administrative Support

General Summary

Provides administrative-type support to technical and management-level personnel. This includes, but is not limited to, documentation planning and support, project administration, general office support, executive secretarial support, human resource planning, event planning and administration, office relocation planning, etc.

Principal Duties and Responsibilities

1. Specializes in coordinating and planning office administration and support.
2. Reports directly to a client, usually at the client location, to support its operations as required.
3. Understands and provides documentation planning and support, project administration, general office support, executive secretarial support, human resource planning, event planning and administration, office relocation planning, etc. required in changing office environments.
4. May perform other duties as assigned.

Job Specifications

High School Diploma or G.E.D. or other equivalent degree program.

13-1.2 Computer Operator

General Summary

Operates computer systems and peripheral equipment where site-specific operating procedures are not will defined or are unusually complex. May be lead for small operations requirements.

Principal Duties and Responsibilities

1. Monitor and control a computer by operating the central console or on line terminal in accordance with established routines.
2. Required to adapt to a variety of non-standard procedures that may include the introduction of new programs and equipment.
3. Assist in determining equipment settings and operating instructions for unique, non-standard processing. Continuously observe the operation of the equipment, resolving any deviations from standard.
4. May assist in manipulating controls to rearrange sequence of job steps and reroute processing in non-standard methods to quickly resolve problems potentially involving loss of critical data and to continue operations when individual units of the system malfunction.

5. Operate computer systems and peripheral equipment, conforming to unique, non-standard site specific operating procedures.
6. Monitor and control a computer by operating the central console or on line terminal in accordance with established routines.
7. Maintain records regarding output units and supply inventories.
8. Must be familiar with all normal operating procedures and capable of implementing non-standard, unique, complex procedures independently.

Job Specifications

High School Diploma or equivalent and four (4) years' experience in operating medium or large scale computer systems. If assigned a task or functional lead position, twelve (12) months supervising personnel operating computer systems. Directly related technical education/training may be substituted on the basis of one (1) month of education/training for one (1) month of general experience not to exceed twelve (12) months. No further substitution of education for experience is permitted.

13-1.3 Computer System/Network Engineer

General Summary

Engineering large complex computer systems and/or networks. Applies theories and principles of science or mathematics to the design of hardware, operating systems, networks and processes to solve technical problems. Systems may involve multiple protocols and interfaces, satellite communications, digital or fiber optic networks, etc.

Principal Duties and Responsibilities

1. Plan designs or redesign of systems, management and coordination.
2. Test and analyze all elements of the network facilities including power, software, communications devices, lines, modems and terminals.
3. Insure the overall integration of the enterprise network.
4. Monitor and control the performance and status of the network resources.
5. Utilize software and hardware tools, identify and diagnose highly complex problems and factors affecting network performance.
6. Maintain technical currency and study vendor products to determine which best meet client needs.
7. Provide guidance and direction to network support technicians.
8. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.

Job Specifications

Bachelor's degree from an accredited college or university in computer science, or engineering discipline and seven (7) years of increasingly complex and progressive experience in computer system/network engineering and design. Three (3) years of specialized experience related to hardware, operating systems and/or network systems specified in the task. If proposed as a Task Leader, twelve (12) months experience supervising computer or network operations

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personnel. Must also be a certified network engineer if required by the task. Five (5) years of specific job related experience or eight (8) years of general related experience may be substituted for the Bachelor's degree requirement or a Master's degree in an appropriate discipline may be substituted for two (2) years of general experience.

13-1.4 Cost Analyst

General Summary

Performs Functional Economic Analysis (FEA) to evaluate the costs of alternative ways to accomplish functional objectives.

Principal Duties and Responsibilities

1. The FEA states investment costs, benefits, and risks as a net change to the functional baseline cost, the cost of doing business now and in the future.
2. Ensures that cross-functional, security, and other integration issues are addressed.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

13-1.5 Data Entry/Analyst I

General Summary

Performs as a functional area expert for specialized applications and operational environments, knowledge of computer systems and ability to analyze problems to satisfy task order requirements.

Principal Duties and Responsibilities

1. Provides technical knowledge and analysis of specialized applications and operational environments, and advice on problems which require knowledge of the subject matter for effective solutions.
2. Applies principles, methods and knowledge of the functional area of expertise to specific task order requirements. Assists in the design and preparation of technical reports and related documentation.
3. Assist in the preparation and presentations and briefings as required by the task order. Responsibilities include providing documentation planning and support, project administration, general office support, entering data into database management computer systems for various functional areas to include web usage, GIS applications, patient appointing, medical coding/auditing, medical billing, referral management, medical transcription, etc. Works under general supervision.

Job Specifications

High School degree or equivalent. Requires three (3) years of general experience. Associates degree can be substituted for three (3) years' experience.

13-1.6 Data Entry/Analyst II

General Summary

Performs as a functional area expert for specialized applications and operational environments, knowledge of computer systems and ability to analyze complex problems to satisfy task order requirements. Possesses the ability to assume increasing responsibilities in the functional area activities such as web usage, GIS application reports and is knowledgeable of applicable functional standards and provides general technical support.

Principle Duties and Responsibilities

1. Provides technical knowledge and analysis of specialized applications and operational environments, and advice on problems which require knowledge of the subject matter for effective solutions.
2. Applies principles, methods and knowledge of the functional area of expertise to specific task order requirements. Designs and prepares technical reports and related documentation. Prepares and delivers presentations and briefings as required by the task order.
3. Responsibility includes coordinating and managing new functional area systems upgrades and entering data into database management computer systems for various functional areas to include providing documentation planning and support, project administration, general office support, patient appointing, medical coding/auditing, medical billing, referral management, medical transcription, etc. Works independently under minimal supervision.

Job Specifications

High School degree or equivalent and six (6) years general experience. Associates degree can be substituted for three (3) years' experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

13-1.7 Data Entry/Analyst III

General Summary

Performs as a functional area expert for specialized applications and operational environments, knowledge of computer systems and ability to analyze complex problems to satisfy task order requirements. Possesses the ability to assume increasing responsibilities in the functional area activities and is knowledgeable of applicable functional standards and provides general technical support. Is capable of implementing functional area projects and performing business practice analysis.

Principle Duties and Responsibilities

1. Provides technical knowledge and analysis of specialized applications and operational environments, and advice on problems which require knowledge of the subject matter for effective solutions.
2. Applies principles, methods and knowledge of the functional area of expertise to specific task order requirements. Designs and prepares technical reports and related documentation. Prepares and delivers presentations and briefings as required by the task order.

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3. Responsibility includes providing documentation planning and support, project administration, general office support, constructing database management systems, providing technical leadership for functional area analysis, coordinating and managing new functional area systems upgrades, and entering data into database management computer systems for various functional areas to include web usage, GIS applications, patient appointing, medical coding/auditing, medical billing, referral management, medical transcription, etc. Possesses the ability to work independently and provides supervision to staff.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. Associates degree can be substituted for three (3) years' experience. With a Master's degree, three (3) years of general experience is required.

13-1.8 Data Warehouse Specialist I

General Summary

Performs as a Data Warehouse Developer on large-scale database management systems. Knowledge of computer equipment and ability to develop complex software to satisfy design objectives including GIS data warehousing, spatial data library management, conducting spatial data queries, Cloud Optimized Storage (COS), Storage as a Service, Infrastructure as a Service (IAAS) and Data Multi-tenancy concepts.

Principal Duties and Responsibilities

1. Analyzes functional business applications and design specifications for functional activities.
2. Develops block diagrams and logic flow charts.
3. Translates detailed design into computer software.
4. Prepares required documentation, including both program-level and user-level documentation.
5. Demonstrated ability to work independently with minimal supervision.

Job Specifications

Bachelor's degree or equivalent and one (1) year of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

13-1.9 Data Warehouse Specialist II

General Summary

Utilizes multidimensional database(s) on large-scale database management systems, uses OnLine Analytical Processing (OLAP) Access Tool, and ability to develop complex software to satisfy design objectives including spatial data modeling, GIS data management, Cloud Optimized Storage (COS), Storage as a Service, Infrastructure as a Service (IAAS) and Data Multi-tenancy.

Principal Duties and Responsibilities

1. Analyzes and develops functional business applications and design specifications for functional activities.
2. Tests, debugs, and refines the computer software to produce the required product.
3. Enhances software to reduce operating time or improve efficiency.
4. Demonstrated ability to work independently under minimal supervision.

Job Specifications

Bachelor's degree or equivalent and three (3) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree one (1) year of general experience is required.

13-1.10 Data Warehouse Specialist III

General Summary

Performs as a Data Warehouse Developer using OLAP tools on large-scale database management systems, knowledge of computer equipment, and ability to develop complex software to satisfy design objectives including spatial data modeling, GIS data management, Cloud Optimized Storage (COS), Storage as a Service, Infrastructure as a Service (IAAS) and Data Multi-tenancy concepts.

Principal Duties and Responsibilities

1. Analyzes and develops computer software processing a wide range of capabilities, including data warehouse technologies, business data model, Executive Information Management, and Decision Support System.
2. Analyzes user interfaces, maintain hardware and software performance tuning, analyze workload and computer usage, maintain interfaces with outside systems, analyze proposed system modifications, upgrades and new COTS.
3. Provides technical direction to junior staff.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

13-1.11 Data Warehouse Specialist IV

General Summary

Performs as a Data Warehouse Developer/Administrator on large-scale database management systems, knowledge of computer equipment, and ability to develop complex software to satisfy design objectives. Possesses ability to assume increasing responsibilities in data mart information system design and management including Spatial data modeling, GIS data management, GIS workflow modeling, Cloud Optimized Storage (COS) modeling, Storage as a Service design, Infrastructure as a Service (IAAS) and Data Multi-tenancy data segregation modeling.

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Principal Duties and Responsibilities

1. 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, and for progress in accordance with schedules.
2. Coordinates with Project and/or Program Manager to ensure problem solution and user satisfaction.
3. Makes recommendations, if needed, for approval of major systems installations.
4. Prepares milestone status reports and deliveries/presentations on the system concept to colleagues, subordinates, and end user representatives.
5. Provides daily supervision and technical direction to staff to ensure program deadlines are met.

Job Specifications

Bachelor's degree or equivalent and seven (7) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, five (5) years of general experience is required. With a PhD, 3 year of general experience is required.

13-1.12 Data Warehouse Specialist V

General Summary

Performs as a Data Warehouse Developer/Administrator on large-scale database management systems, knowledge of computer equipment and ability to develop complex software to satisfy design objectives. Possesses ability to assume increasing responsibilities in enterprise data warehouse project information system design and management including spatial data modeling, enterprise GIS data management, enterprise GIS design and enterprise spatial data integration, Cloud Optimized Storage (COS) modeling, Storage as a Service design, Infrastructure as a Service (IAAS) and Data Multi-tenancy data segregation modeling.

Principal Duties and Responsibilities

1. Applies an enterprise-wide set of data warehouse disciplines for the planning, analysis, data refinement, design and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise.
2. Develops analytical and computational techniques and methodology for problem solutions.
3. Performs enterprise-wide strategic systems planning, business information planning, business and analysis.
4. Provides daily supervision and direction to organization.

Job Specifications

Bachelor's degree or equivalent and nine (9) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, seven (7) years of general experience is required. With a PhD, five (5) years of general experience is required.

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13-1.13 Draftsman

General Summary

Develops engineering drawings, using computer-based drawing packages.

Principal Duties and Responsibilities

1. Develops engineering drawings for site plans, electrical interconnects, mechanical plans for specialized hardware, etc.

Job Specifications

High School Diploma or equivalent and three (3) years' experience. With High School Diploma or equivalent and a training program, one (1) year of general experience is required. There is no experience substitution for a High School Diploma, however a G.E.D., other degree equivalency program, or a technical trade school certificate is acceptable. With a Bachelor's degree no experience is required.

13-1.14 Enterprise Consultant

General Summary

Deploys enterprise-wide system management tools. Performs ongoing operation issues and has the capability to manage systems. Has a good understanding of complex, multi-platform information technology (IT) infrastructure operations, processes and tools. Deploy architected solution and ability to solve unanticipated complications in the field including enterprise geospatial design, GIS architecture, geospatial workflow management, GIS database design, ESRI, Oracle Spatial, SQL Server, MapInfo, quality assurance, FGDC, OGIS, OGC and other GIS standards. Also has a good understanding of Cloud Deployment Models (Public, Private, Hybrid, Community), Cloud Delivery Services (Software as a Service [SAAS], Platform as a Service [PAAS] and Infrastructure as a Service [IAAS]), hypervisors and virtualization.

Principal Duties and Responsibilities

1. Deploy and document enterprise management solutions for complex heterogeneous IT environments.
2. Integrate systems, network and help desk tools into an integrated IT solution.
3. Provide hardware and software tool selection analysis and recommendations.
4. Lead technical teams with diverse areas of specialization to implement multiple software management tools either sequentially or in parallel.
5. May be responsible for designing new Cloud Computing environments and/or planning transition/migration from an existing Data Center to a Cloud Computing Environment.
6. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
7. May perform other duties as assigned

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, two (2) years of general experience is acceptable. With a PhD, no experience is required.

13-1.15 ERP Consultant I

General Summary

Performs evaluation and implementation tasks for Enterprise Resource Planning (ERP) and ERP-related software products by applying product knowledge, industry experience, and project methodology.

Principal Duties and Responsibilities

1. Provides knowledge of specific software product modules or technical tools with hands-on experience and has the ability to transfer knowledge and skill.
2. Familiar with key business roles and knowledgeable about applying technology to business operations in at least one industry.
3. Applies industry knowledge, knowledge of area of expertise,* and product knowledge to gather and document customer business process requirements.
4. Develops or executes basic functional and technical specifications and testing for system configuration, mapping, and reporting.
5. Executes project plan tasks and other duties as assigned. Provides regular status on tasks and issues.

* Areas of Expertise: Functional Area (HRMS, Financials, Distribution, Manufacturing, Student Admin), Tools Development, Web Development, and Technical Infrastructure.

Job Specifications

Bachelor's degree or equivalent and one (1) year of general business experience. Six years of general experience is equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

13-1.16 ERP Consultant II

General Summary

Performs evaluation and implementation tasks for Enterprise Resource Planning (ERP) and ERP-related software products using broad industry experience including industry best practices, and extensive product knowledge. Adapts project methodology as needed.

Principal Duties and Responsibilities

1. Provides knowledge of an entire functional area or other area of expertise* with hands-on experience in multiple modules and has the ability to transfer knowledge and skill.
2. Accomplished at professional level roles and knowledgeable about applying technology to business operations in at least one industry.

3. Applies industry best practices and product knowledge in developing tools to lead requirements gathering sessions for individual modules and makes specific business process recommendations.
4. Develops or executes functional and technical specifications and testing for advanced system configuration, interfaces, installation and modifications.
5. Executes project plan tasks and other duties as assigned. Provides regular status on tasks and issues. Provides input to project plan and resource requirements.

*Areas of Expertise: Functional Area (HRMS, Financials, Distribution, Manufacturing, Student Admin), Tools Development, Web Development, and Technical Infrastructure.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general business experience. Six years of general experience is equivalent to a Bachelor's degree. With a Master's degree, one (1) year of general experience is required. With a PhD, no experience is required.

13-1.17 ERP Consultant III

General Summary

Performs evaluation and implementation tasks for Enterprise Resource Planning (ERP) and ERP-related software products using broad industry experience, including industry best practices and extensive product knowledge. Leads parts of the project and creates project methodology as needed.

Principal Duties and Responsibilities

1. Provides knowledge of multiple functional areas or other areas of expertise* with hands-on experience in multiple modules or vendors and has the ability to transfer knowledge and skill.
2. Accomplished at several professional level roles and knowledgeable about applying technology to business operations in multiple industries.
3. Applies industry best practices, product knowledge, and experience to lead overall business requirements gathering sessions and makes overall business process recommendations.
4. Develops or executes functional and technical specifications and testing for complex interfaces, module integration, system extensions, and reporting systems.
5. Executes project plan tasks and other duties as assigned. Provides regular status on tasks and issues. Coordinates resources and occasionally assumes project management responsibilities.

* Areas of Expertise: Functional Area (HRMS, Financials, Distribution, Manufacturing, Student Admin), Tools Development, Web Development, and Technical Infrastructure.

Job Specifications

Bachelor's degree or equivalent and three (3) years of ERP implementation experience or four (4) years of general business experience. Six years of general experience is equivalent to a Bachelor's degree. With a Master's degree, two (2) years of general business experience is required. With a PhD, no experience is required.

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13-1.18 Functional Analyst

General Summary

Applies broad knowledge and experience to complex requirements. Develops, designs and performs feasibility studies and functional systems analysis for complex integrated information management systems. Must be able to work independently.

Principal Duties and Responsibilities

1. Configuration Management Support for complex integrated management systems while maintaining quality assurance.
2. Provide business process re-engineering support such as, but not limited to, design of alternative strategies, development and monitoring of functional tests and assistance in the implementation of solutions.
3. Provide fiscal support as well as security analysis, human factor analysis and data analysis support.
4. May perform other duties as assigned.

Job Specifications

Bachelor's degree in a related curriculum and five (5) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree.

13-1.19 Functional Specialist

General Summary

Applies specific knowledge and experience to complex issues. Develops functional requirements relating to complex integrated information technology systems. Must demonstrate the ability to work independently or under only general direction.

Principal Duties and Responsibilities

1. Develop and provide skills and disciplines on a variety of information technology issues.
2. Assist Program Managers, Systems Analysts, Engineers and Programmers to ensure successful continuity and program completion.
3. Specialized skills include, but are not limited to, information planning, communications, systems administrations, quality assurance, video teleconferencing and microcomputer training.

Job Specifications

Bachelor's degree in a related curriculum and ten (10) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree.

13-1.20 Hardware/Software Installation Technician

General Summary

Conducts sites surveys; assesses and documents current site configuration and user requirements and installs new configurations such as operations systems, databases, ESRI, ArcGIS, ArcSDE, ArcServer, Image Server and Apache Tomcat.

Principal Duties and Responsibilities

1. Designs and optimize network topologies.
2. Analyzes existing requirements and prepares specifications for hardware/software acquisitions.
3. Prepares engineering plans and site installation Technical Design Packages.
4. Develops hardware/software installation schedules.
5. Prepares drawings documenting configuration changes at each site.
6. Prepares site installation and test reports.
7. Configures systems, communications devices, and peripheral equipment.
8. Installs network hardware/software.
9. Trains site personnel in proper use of hardware/software.
10. Builds specialized interconnecting cables.
11. May be responsible for installing deal-stack IPv4/Internet Protocol version 6 (IPv6) networks.

Job Specifications

High School Diploma or equivalent and two (2) years of general experience. There is no experience substitution for a High School Diploma; however a G.E.D., other degree equivalency program, or a technical trade school certificate is acceptable. With a Bachelor's degree no experience is required.

13-1.21 Hardware/Software Specialist I

General Summary

Reviews computer systems in terms of machine capabilities and man-machine interface. Prepares reports and studies concerning hardware/software for systems and applications such as ESRI, ArcGIS, ArcSDE, ArcServer, Image Server, Apache Tomcat, Virtual Desktop Infrastructure (VDI), Software delivered as a Service, and the Cloud Essential Infrastructure Stack (Hypervisor, Compute, Storage and Network).

Principal Duties and Responsibilities

1. Prepares functional requirements and specifications for hardware/software acquisitions.
2. Ensures that problems have been properly identified and solutions will satisfy the user's requirements.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

13-1.22 Hardware/Software Specialist II

General Summary

Reviews computer systems in terms of machine capabilities and man-machine interface. Prepares reports and studies concerning hardware/software for systems and applications such as ESRI, ArcGIS, ArcSDE, ArcServer, Image Server, Apache Tomcat, Virtual Desktop Infrastructure (VDI), Software delivered as a Service, and the Cloud Essential Infrastructure Stack (Hypervisor, Compute, Storage and Network).

Principal Duties and Responsibilities

1. Prepares functional requirements and specifications for hardware/software acquisitions.
2. Ensures that problems have been properly identified and solutions will satisfy the user's requirements.

Job Specifications

Bachelor's degree or equivalent and five (5) years general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

13-1.23 Hardware/Software Specialist III

General Summary

Reviews computer systems in terms of machine capabilities and man-machine interface. Prepares reports and studies concerning hardware/software for systems and applications such as ESRI, ArcGIS, ArcSDE, ArcServer, Image Server, Apache Tomcat, Virtual Desktop Infrastructure (VDI), Software delivered as a Service, and the Cloud Essential Infrastructure Stack (Hypervisor, Compute, Storage and Network).

Principal Duties and Responsibilities

1. Prepares functional requirements and specifications for hardware/software acquisitions.
2. Ensures that problems have been properly identified and solutions will satisfy the user's requirements.

Job Specifications

Bachelor's degree or equivalent and eight (8) years general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

13-1.24 Help Desk Manager

General Summary

Manages the help desk function and personnel.

Principal Duties and Responsibilities

1. Provides daily supervision and direction to staff that are responsible for phone and in-person support to users in the areas of e-mail, directories, standard Windows desktop applications, and applications developed or deployed under this contract.
2. Serves as the first point-of-contact for troubleshooting hardware/software, PC, and printer problems.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree four (4) years of general experience is required. With a PhD, two (2) years of general experience is required.

13-1.25 Help Desk Specialist

General Summary

Serves as the initial point-of-contact for troubleshooting hardware/software, PC, and printer problems.

Principal Duties and Responsibilities

1. Provides phone and in-person support to users in the areas of e-mail, directories, standard Windows desktop applications, and applications developed under this contract or predecessors.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

13-1.26 Information Engineer I

General Summary

Performs as an applications programmer on large-scale database management systems, knowledge of computer equipment, and ability to develop complex software to satisfy design objectives for requirements such as GIS data / metadata standards, Cloud Computing multi-tenancy data, data virtualization strategies for delivering Storage as a Service, and Platform as a Service information management

Principal Duties and Responsibilities

1. Analyzes application software and design specifications for information process activities.
2. Develops block diagrams and logic flow charts.
3. Translates detailed design into application software.
4. Tests, debugs, and refines the application software to produce the required product. Prepares required documentation, including both program-level and user-level documentation.
5. May serve as Tier 1 support to users and involved with trouble-shooting system operations.

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6. Works under general supervision.

Job Specifications

Pursuing a Bachelor's degree or equivalent and one (1) year of general experience. Three (3) years of general experience is equivalent to pursuing a Bachelor's degree. With a Bachelor's degree, no experience is required.

13-1.27 Information Engineer II

General Summary

Works with Ada, SQL, JAVA, .NET, ArcXML, ArcIMS, ArcSDE, Oracle Spatial, third/fourth generation languages, XML, SOAP, REST, resource pooling, and rapid elasticity in the design and implementation of systems and using database management systems. Possesses ability to assume increasing responsibilities in information engineering activities. Knowledgeable of applicable standards and provides general technical support.

Principal Duties and Responsibilities

1. Analyzes and studies complex information system requirements.
2. Designs software tools and subsystems to support software reuse and domain analyses and manages their implementation.
3. Manages software development and support using formal specifications, data flow diagrams, other accepted design techniques and Computer Aided Software Engineering (CASE) tools.
4. Provides input to estimate software development costs and schedule. Reviews existing programs and assists in making refinements, reducing operating time, and improving current techniques.
5. May manage, coordinate, or install system upgrades. Uses diagnostic software to test and isolate ADPE to validate functionality.
6. May provide system analysis and integration and oversee system operations.
7. Often assists with monitoring system performance and security and sets up terminal/printer queues. Provides in-service support for proper use of system software, hardware, or applications and provides Tier 1 technical support for ADPE.
8. Works independently under minimal supervision.

Job Specifications

Bachelor's degree or equivalent and one (1) year of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

13-1.28 Information Engineer III

General Summary

Performs information systems development, functional and data requirements analysis, systems analysis and design, programming, program design, program in .net and JAVA, system upgrades and documentation preparation. Implements information engineering projects, systems analysis, design and programming using CASE and IE tools and methods, systems

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planning, geospatial information management, Cloud Computing resource pooling for multi-tenancy planning, Cloud Computing Information Lifecycle Management, business information planning, and business analysis.

Principal Duties and Responsibilities

1. Applies business process improvement practices to re-engineer methodologies/principles and business process modernization projects.
2. Applies, as appropriate, activity and data modeling, transaction flow analysis, internal control and risk analysis and modern business methods and performance measurement techniques.
3. Assists in establishing standards for information systems procedures.
4. Develops and applies organization-wide information plans and models for use in designing and building integrated, shared software and database management systems.
5. Constructs logical business improvement opportunities consistent with corporate Information Management guiding principles, cost savings, and open system architecture objectives.
6. Manages planned projects for overall installation of application and network systems.
7. Develops action plans with milestones for system upgrades.
8. Provides technical leadership for analysis, integration and support of new products, interfaces and performance enhancements. Analyzes and resolves system software issues.
9. Administers accounts and system access as needed.
10. Assists with the development of training curriculum for customer orientation and use of new and improved systems.
11. Also assists with application customization through process analysis and workflow development including advising customers of database file & table configuration best practices.
12. Possesses the ability to work independently.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

13-1.29 Information Engineer IV

General Experience

Performs systems management, development, functional and data requirements analysis, systems analysis and design, programming, program design, including GIS, spatial data, Cloud Computing federated and multi-tenant data and documentation preparation. Manages the implementation of information engineering projects and performs systems analysis, design and programming selecting CASE or IE tools and methods, e.g., Oracle CASE, IEF CASE, I-CASE.

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Works in the client/server environment and distributed environments based on SOA and Cloud Computing environments (Public, Private, Hybrid, Community). Utilizes managerial and supervisory skills. Prepares written and oral communications, including giving formal presentations to different audiences.

Principal Duties and Responsibilities

1. Applies an enterprise-wide set of disciplines for the management, planning, analysis, design and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise.
2. Develops analytical and computational techniques and methodology for problem solutions.
3. Performs enterprise-wide strategic systems planning, business information planning, business and analysis.
4. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated tools; such as Integrated Computer-Aided Software Engineering (I-CASE) tools.
5. Applies reverse engineering and re-engineering disciplines to develop migration strategic and planning documents.
6. Utilizes various methodologies, e.g., IDEF 0 process modeling and IDEF 1X data modeling.
7. Manages and coordinates planned system and implementation activities including system upgrades, security, allocation of resources, availability, and in-service training.
8. Manages tasks, priorities and objectives.
9. Responsible for customer support and quality & timeliness of services.
10. Provides daily supervision and direction to staff.

Job Specifications

Bachelor's degree or equivalent and seven (7) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, five (5) years of general experience is required. With a PhD, 3 year of general experience is required.

13-1.30 Information Engineer V

General Summary

Performs information systems management, development, functional and data requirements analysis, geospatial data modeling, Cloud Computing data modeling, systems analysis and design, programming, program design, and documentation preparation. Manages the implementation of information engineering projects and experience in systems analysis, geospatial process workflow management, GIS system design, Cloud Computing Delivery/Deployment multi-tenant system design, creation of Cloud Services to provide data on demand and programming using CASE and IE tools and methods, e.g., Oracle CASE, IEF CASE, I-CASE. and distributed environments based on SOA and Cloud Computing environments (Public, Private, Hybrid, Community). Utilizes managerial and supervisory skills. Prepares written and oral communications skills, including giving formal presentations to different audiences.

13-1.0 PROFESSIONAL SERVICES LABOR CATEGORIES AND RATES
(SIN 54151S and SIN 54151HEAL)

Principal Duties and Responsibilities

1. Applies an enterprise-wide set of disciplines for the management, planning, coordination, analysis, design, and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise.
2. Develops analytical and computational techniques and methodology for problem solutions.
3. Performs enterprise-wide strategic systems planning, business information planning, business and analysis.
4. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated tools; such as Integrated Computer-Aided Software Engineering (I-CASE) tools.
5. Applies reverse engineering and re-engineering disciplines to develop migration strategic and planning documents. Familiar with various methodologies, e.g., IDEF 0 process modeling and IDEF 1X data modeling.
6. Controls and maintains technical documents.
7. Provides daily supervision and technical guidance in software engineering and system operational techniques and automated support tools to local and remote supporting staff.
8. Advises customers on database file and table build configuration best practices.
9. Manages and coordinates planned system and implementation activities including system upgrades, security, allocation of resources, availability, and in-service training.
10. Manages tasks, priorities and objectives.
11. Assists in the development and implementation of site policies and procedures.
12. May provide train-the-trainer and ad hoc report writing training and assistance.
13. Responsible for customer support and quality & timeliness of services.

Job Specifications

Bachelor's degree or equivalent and nine (9) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, seven (7) years of general experience is required. With a PhD, five (5) years of general experience is required.

13-1.31 Internet/Intranet Specialist I

General Summary

Performs system analysis and design techniques for Internet or Intranet development, which may include Hypertext Markup Language (HTML), Hypertext Transfer Protocol (HTTP), Extensible Markup Language (XML), Internet Protocol version 6 (IPv6), Simple Object Access Protocol (SOAP), Representational State Transfer (REST), Web Services Description Language (WSDL), Universal Description, Discovery and Integration (UDDI), Web Services Security (WS-Security) standards and Common Gateway Interface (CGI).

13-1.0 PROFESSIONAL SERVICES LABOR CATEGORIES AND RATES
(SIN 54151S and SIN 54151HEAL)

Principal Duties and Responsibilities

1. Analyzes and develops Internet/Intranet application software processing wide range of capabilities, including numerous engineering, business, and network traffic management functions.
2. Works independently or under general direction.

Job Specifications

Bachelor's degree or equivalent and one (1) year of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

13-1.32 Internet/Intranet Specialist II

General Summary

Performs system analysis and design techniques for Internet or Intranet development and distribution to remote sites using various technologies, which may include Hypertext Markup Language (HTML), Hypertext Transfer Protocol (HTTP), Extensible Markup Language (XML), Internet Protocol version 6 (IPv6), Simple Object Access Protocol (SOAP), Representational State Transfer (REST), Web Services Description Language (WSDL), Universal Description, Discovery and Integration (UDDI), Web Services Security (WS-Security) standards, , FrontPage, Safari, Internet Explorer, iPhone Software Development Kit (SDK) and Netscape software.

Principal Duties and Responsibilities

1. Develops and applies organization-wide information models for use in designing and building integrated, shared software, and database management systems.
2. Constructs sound, logical business improvement opportunities consistent with corporate Information Management guiding principles, cost savings, and open system architecture objectives.
3. Provides daily supervision and direction to junior staff.

Job Specifications

Bachelor's degree or equivalent and three (3) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, one (1) year of general experience is required. With a PhD, no experience is required.

13-1.33 Internet/Intranet Specialist III

General Summary

Performs an enterprise-wide set of disciplines for planning, analysis, design, and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise. Develops analytical and computational techniques and methodology for problem solutions. May be responsible for designing new Internet Protocol version 6 (IPv6) systems and/or planning transition from IPv4 to IPv6. May be responsible for designing inter and/or intra Cloud Computing data federation. Knowledgeable in WS-Security standards as well as Cloud Computing Security tenants.

Principal Duties and Responsibilities

1. Establishes system information requirements, using analysis of the information exchange technologies, in the development of enterprise-wide or large-scale information systems.
2. Designs architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces.
3. Ensures these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI), and International Standards Organization (ISO) (These are the same thing. It is the ISO OSI model) reference models, and profiles of standard such as: Institute of Electrical and Electronic Engineers (IEEE), Open Systems Environment (OSE) reference model, and across the application program interface (API). Provides daily supervision and direction to staff.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

13-1.34 Information Systems Engineer

General Summary

Performs IT engineering work requiring systems analysis, design, application of standard techniques, procedures, and criteria in carrying out engineering tasks. Ability to follow engineering plans as well as installation and configuration guidelines. Requires exercising limited judgment on details of work and in making preliminary selections/adaptations of system engineering alternatives.

Principal Duties and Responsibilities

1. Provide site surveys, assessment and documentation of current network configuration and user requirements.
2. Design and optimize network topologies.
3. Define product specifications and evaluate technologies and products for implementation and integration within the customer environment.
4. Install and configure new products and develop installation schedules.
5. May be responsible for installing Internet Protocol version 6 (IPv6) networks and/or transitioning IPv4 networks to IPv6.

Job Specifications

Bachelor's degree in Engineering or related curriculum and three (3) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree.

13-1.35 Jr. Enterprise Consultant

General Summary

Deploys enterprise-wide and Cloud Computing system management tools. Performs ongoing operations issues and possesses the capability to manage systems. Has a good understanding of complex, multi-platform information technology (IT) infrastructure operations, processes and tools. Deploy architected solution and ability to solve unanticipated complications in the field such as GIS data and metadata standards, GIS application design, geospatial data integration, geospatial data models, Cloud Computing Deployment Models (Public, Private, Hybrid, Community), and Cloud Computing Delivery Models (SaaS, PaaS, IaaS). Also familiar with Hypervisors, and virtual image management.

Principal Duties and Responsibilities

1. Deploy and document enterprise management under the supervision of the project technical lead.
2. Perform integration work for a variety of systems, network and help desk tools.
3. Understand functionally of tools selected for implementation and hardware and software administrative knowledge.
4. May be responsible for deploying new Internet Protocol version 6 (IPv6) networks and/or transitioning from IPv4 to IPv6.
5. May perform other duties as assigned

Job Specifications

Bachelor's degree or equivalent. With a Bachelor's degree, no experience is required. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree no experience is required.

13-1.36 Jr. Functional Specialist

General Summary

Develops functional requirements relating to complex integrated information technology systems.

Principal Duties and Responsibilities

1. Develop and provide skills and disciplines on a variety of information technology issues.
2. Assist the Functional Specialist.
3. Specialized skills include, but are not limited to, information planning, communications, systems administrations, quality assurance, video teleconferencing and microcomputer training.

Job Specifications

High School Diploma and five (5) years of experience.

13-1.37 Jr. Systems Analyst

General Summary

Under supervision, performs systems analysis of computer and communications/network systems. Supports the installation of computer operating systems, including GIS platforms network, and application software, computer/network hardware, hypervisors and other Cloud Computing infrastructure components, SOA software (ESBs, Web Servers, Business Process Software, Portal Servers). Provides hotline support to customers. Possesses troubleshooting skills to assist Systems Analysts, spatial data conversions and distributed computer systems.

Principal Duties and Responsibilities

1. Performs systems analysis of computer and networking systems.
2. Supports a Systems Analyst, as required.
3. Technically supports the overall integration of all systems peripherals so that they operate correctly within a predefined environment.
4. Provides hotline support to customers.
5. Develops technical documentation detailing the installation procedures.
6. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

13-1.38 Jr. Systems Engineer

General Summary

Under supervision, assists in defining and executing systems engineering activities within a project. These activities may consist of systems planning, information security planning, geospatial design and management, SOA and Cloud Computing architecture, performance management, capacity planning, testing and validation, risk assessment, system assessment, gap analysis, benchmarking, information engineering, and development and staffing of a systems engineering or security management plan.

Principal Duties and Responsibilities

1. Performs systems engineering planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, security impact analysis.
2. Development and staffing of a systems engineering or security management plan.
3. Supports a Systems Engineer, as required.
4. Analyzes and develops technical documentation detailing the integration and system performance or information security.
5. May analyze security implications of authentication and authorization of Cloud based services spanning all the Delivery Models (SaaS, PaaS, IaaS).

6. May analyze security implications of transitioning from IPv4 to Internet Protocol version 6 (IPv6).
7. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

13-1.39 Network Architecture Engineer I

General Summary

Has knowledge in one or more aspects of telecommunications, SOA and Cloud Computing network architectures for Government applications. May possess broad knowledge in network integration, network interoperability, network implementation, Cloud Computing infrastructure, Cloud Computing Deployment Models (SaaS, PaaS, IaaS), telecommunications technologies, or network protocols. Capable of working, with supervision, on specific tasks associated with specific aspects of network architecture projects.

Principal Duties and Responsibilities

1. Provides assistance and performs general technical tasks for network architecture planning.
2. Provides support for one or more specific areas associated with network-architecture technology, interoperability, or integration.
3. Supports the development of technical analyses, white papers, or research for specific technical areas of network architecture.
4. Assists in general analysis on network interoperability topologies, technologies, interfaces, and protocols.
5. May be responsible for designing the Cloud Computing Network stack to enable broad network access to ensure on-demand self-services across Cloud Deployment Models (Public, Private, Community, Hybrid).
6. May be responsible for designing virtual network as service and the network for Cloud Optimized Storage.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

Bachelor's degree in Electrical/Electronics Engineering, Computer Science, or Information Systems. Eight (8) years' experience in telecommunications network architectures may be substituted for a Bachelor's degree.

13-1.40 Network Architecture Engineer II

General Summary

Has knowledge in one or more aspects of telecommunications, SOA and Cloud Computing network architectures for Government applications. May possess broad knowledge in network integration, network interoperability, network implementation, Cloud Computing infrastructure, Cloud Computing Deployment Models (SaaS, PaaS, IaaS), telecommunications technologies, or network protocols. Capable of independent work on specific tasks associated with the implementation of specific aspects of network architecture projects and is capable of providing limited guidance or supervision of Engineers working on highly complex network architecture projects.

Principal Duties and Responsibilities

1. Provides general support for network architecture planning.
2. Provides technical support in one or more specific areas associated with network-architecture technology, interoperability, or integration.
3. Provides support for the development of technical analyses, white papers, or research for specific technical areas of network architecture.
4. Provides general analyses on network interoperability topologies, technologies, interfaces, and protocols.
5. May be responsible for designing the Cloud Computing Network stack to enable broad network access to ensure on-demand self-services across Cloud Deployment Models (Public, Private, Community, Hybrid).
6. May be responsible for designing virtual network as service and the network for Cloud Optimized Storage.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

A Master's degree in Computer Science, Electrical or Electronics Engineering, Information Systems, or equivalent and one (1) year experience. A Bachelor's degree in Computer Science, Electrical Engineering, Information Systems, or equivalent and two (2) years general work experience is considered equivalent to a Master's degree and one (1) years' experience. With a PhD, no experience is required.

13-1.41 Network Engineer

General Summary

Under supervision performs a variety of network engineering tasks which are broad in nature and are concerned with the design and implementation of integrated networks, including personnel, hardware, software and support facilities and/or equipment. Performs with some latitude for unreviewed actions and decisions.

Principal Duties and Responsibilities

1. Plans and performs network engineering research, design development, and other assignments in conformance with network design, engineering and customer specifications.
2. Responsible for the technical/engineering part of a major project or a project of lesser complexity and importance than those normally assigned to a higher level engineer.
3. Coordinates the activities of Network Technicians assigned to specific network engineering projects.
4. May be responsible for designing the Cloud Computing Network stack to enable broad network access to ensure on-demand self-services across Cloud Deployment Models (Public, Private, Community, Hybrid).
5. May be responsible for designing virtual network as service and the network for Cloud Optimized Storage.
6. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
7. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and three (3) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, one (1) year of general experience is required. With a PhD, no experience is required.

13-1.42 Network Management Engineer I

General Summary

Has knowledge and experience architecting and configuring Commercial Off The Shelf (COTS) Network Management solutions (i.e., Tivoli, Computer Associates, HP OpenView) for Government applications. Typically has knowledge of one or more flavors of Unix and leading hardware vendors' products on which the Network Management platform would run. Capable of working, with supervision, on specific aspects of network management engineering.

Principal Duties and Responsibilities

1. Provides assistance to the design, development, and deployment of fault and performance network management systems that provide the required trouble isolation and identification required for the applications.
2. Supports the identification of deficiencies in existing Network Management platforms and proposes solutions that mediate these problems.
3. Supports customizations to existing Network Management implementations to reduce the interval from identification of a fault to problem resolution.
4. Supports the integration of multiple COTS vendor products into a seamless operation for a given Cloud Deployment Model (SaaS, PaaS, IaaS).
5. Supports integration of multiple COTS vendor products into a seamless operation for a Network Operations Center (NOC).

6. Supports knowledge transfer to NOC personnel or other individuals charged with the maintaining the environment being monitored by the Network Management solution.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

A Bachelor's degree in Computer Science, Electrical Engineering, Information Systems or equivalent. Eight (8) years' experience in telecommunications network management may be substituted for a Bachelor's degree.

13-1.43 Network Management Engineer II

General Summary

Has broad in-depth knowledge and several years' experience in architecting and configuring Commercial Off The Shelf (COTS) Network Management solutions (i.e., Tivoli, Computer Associates, HP OpenView) for Government applications. Typically has knowledge of one or more flavors of Unix and leading hardware vendors' products on which the Network Management platform would run.

Principal Duties and Responsibilities

1. Designing, developing, and deploying a fault and performance network management system that provides the required trouble isolation and identification required for the applications.
2. Identifying deficiencies in existing Network Management platforms and proposing solutions that mediate these problems. May include identification of COTS platforms that are currently not deployed.
3. Providing customizations to existing Network Management implementations to reduce the interval from identification of a fault to problem resolution.
4. Supports the integration of multiple COTS vendor products into a seamless operation for a given Cloud Deployment Model (SaaS, PaaS, IaaS).
5. Integration of multiple COTS vendor products into a seamless operation for a Network Operations Center (NOC).
6. Knowledge transfer to NOC personnel or other individuals charged with the maintaining the environment being monitored by the Network Management solution.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

A Master's degree in Computer Science, Electrical Engineering, Information Systems or equivalent and 3 or more years' experience in Network Management platforms. A Bachelor's degree in Computer Science, Electrical Engineering, Information Systems or equivalent and five (5) years general work experience (of which three (3) years have been spent on Network

Management) is considered equivalent to a Master's degree and three (3) years' experience. With a PhD, one (1) year of general experience is required.

13-1.44 Network Management Engineer III

General Summary

Has broad in-depth knowledge and several years' leadership experience in architecting and configuring Commercial Off The Shelf (COTS) Network Management solutions (i.e., Tivoli, Computer Associates, HP OpenView) for Government applications. Typically has knowledge of one or more flavors of Unix and leading hardware vendors' products on which the Network Management platform would run. 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 implementation of specific aspects of network management engineering and is capable of supervising a team of technical specialists working on complex projects.

Principal Duties and Responsibilities

1. Provides technical lead for designing, developing, and deploying a fault and performance network management system that provides the required trouble isolation and identification required for the applications.
2. Provides leadership to identify deficiencies in existing Network Management platforms and proposes solutions that mediate these problems. May include identification of COTS platforms that are currently not deployed.
3. Provides leadership for customizations to existing Network Management implementations to reduce the interval from identification of a fault to problem resolution.
4. Supports the integration of multiple COTS vendor products into a seamless operation for a given Cloud Deployment Model (SaaS, PaaS, IaaS).
5. Provides leadership for integration of multiple COTS vendor products into a seamless operation for a Network Operations Center (NOC).
6. Leads team performing knowledge transfer to NOC personnel or other individuals charged with the maintaining the environment being monitored by the Network Management solution.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

A Doctorate in Computer Science, Electrical Engineering, Information Systems or equivalent and six (6) years' experience in Network Management platforms. A Master's degree in Computer Science, Electrical Engineering, Information Systems or equivalent and eight (8) years general work experience (of which four (4) years have been spent on Network Management) is considered equivalent to a Doctorate and six (6) years' experience.

13-1.45 Network Management Engineer IV

General Summary

Has broad in-depth knowledge and several years' leadership experience in architecting and configuring Commercial Off The Shelf (COTS) Network Management solutions (i.e., Tivoli, Computer Associates, HP OpenView) for Government applications. Typically has knowledge of one or more flavors of Unix and leading hardware vendors' products on which the Network Management platform would run. 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 implementation of specific aspects of network management engineering and is capable of supervising a team of technical specialists working on complex projects.

Principal Duties and Responsibilities

1. Provides technical lead for designing, developing, and deploying a fault and performance network management system that provides the required trouble isolation and identification required for the applications.
2. Provides leadership to identify deficiencies in existing Network Management platforms and proposes solutions that mediate these problems. May include identification of COTS platforms that are currently not deployed.
3. Provides leadership for customizations to existing Network Management implementations to reduce the interval from identification of a fault to problem resolution.
4. Supports the integration of multiple COTS vendor products into a seamless operation for a given Cloud Deployment Model (SaaS, PaaS, IaaS).
5. Provides leadership for integration of multiple COTS vendor products into a seamless operation for a Network Operations Center (NOC).
6. Leads team performing knowledge transfer to NOC personnel or other individuals charged with the maintaining the environment being monitored by the Network Management solution.
7. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
8. May perform other duties as required.

Job Specifications

A Doctorate in Computer Science, Electrical Engineering, Information Systems or equivalent and nine (9) years' experience in Network Management platforms. A Master's degree in Computer Science, Electrical Engineering, Information Systems or equivalent and eleven (11) years general work experience (of which six (6) years have been spent on Network Management) is considered equivalent to a Doctorate and eight (8) years' experience.

13-1.46 Sr. Network Technician

General Summary

Works under supervision to perform a variety of network engineering tasks which are broad in nature and are concerned with the design and implementation of integrated networks, including

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personnel, hardware, software and support facilities and/or equipment. Works under the supervision of a Sr. Network Engineer or Network Engineer.

Principal Duties and Responsibilities

1. Supports the planning and performance of network engineering research, design development, and other assignments in conformance with network design, engineering, and customer specifications.
2. Supports the technical/engineering part of a networking project assigned to higher level engineers.
3. Works under the supervision of a Sr. Network Engineer or Network Engineer.
4. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. There is no experience substitution for a High School Diploma; however a G.E.D. or other degree equivalency program is acceptable.

13-1.47 Operations Manager

General Summary

Manages computer operations. Ensures production schedules are met. Ensures computer system resources are used effectively.

Principal Duties and Responsibilities

1. Coordinates the resolution of production-related problems.
2. Ensures proper relationships are established between customers, teaming partners, and vendors to facilitate the delivery of information technology services.
3. Provides users with computer output. Supervises staff operations.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

13-1.48 Production Control Specialist

General Summary

Provides support necessary to manage a medium to large-scale computer system in the area of execution toward delivery of final product utilizing a predefined and documented set of procedures and directions.

Principal Duties and Responsibilities

1. Analyze system input data to determine applicability to client requirements.

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2. Develop procedures to determine validity of reports produced during system execution. Analyze error transactions to determine corrective action.
3. Develop simple ad hoc programs using a state-of-the-art retrieval system when input is provided through predefined parameters and operations scheduling and/or computer data library functions.

Job Specifications

High School Diploma or equivalent and two (2) years' experience in ADP Systems Analysis/Programming, ADP operations, production control/support activities, etc. Specialized: Six (6) months experience in an ADP Scheduling/Production environment or equivalent ADP support function. Directly related technical education/training may be substituted on the basis of one (1) month of training for one (1) month of experience not to exceed six (6) months. No further substitution of education for experience is permitted.

13-1.49 Program Manager

General Summary

Directs the performance of a variety of related projects, which may be organized by technology, program, or client. Oversees the technology development and/or application, marketing, and resource allocation within program client base. Program areas typically represents more than three functional areas that may include engineering, GIS and geospatial, systems analysis, quality control, administration, etc.

Principal Duties and Responsibilities

1. Responsible for the effective management of funds and personnel, and is accountable for the quality and timely delivery of all contractual items.
2. Operates within client guidance, contractual limitations, and Company business and policy directives.
3. Serves as focal point-of-contact with client regarding program activities.
4. Ensures that all required resources including manpower, production standards, computer time, and facilities are available for program implementation.
5. Manages program consisting of multiple projects including project identification, design, development, and delivery.
6. Maintains the development and execution of business opportunities based on broad, general guidance.
7. Confers with project manager to provide technical advice and to assist with problem resolution.
8. Responsible for marketing new technology and follow-on business acquisitions.
9. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and ten (10) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, eight (8) years of general experience is acceptable. With a PhD, 6 year of general experience is required.

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13-1.50 Programmer Analyst

General Summary

Works under supervision to support the activities of a Sr. Programmer Analyst. Supports the maintenance and operating efficiency of a major subsystem, such as the teleprocessing network, GIS spatial data integration, database management systems, etc.

Principal Duties and Responsibilities

1. Support the continual assessment of the performance of appropriate software systems to identify and correct problems which impact operation efficiency and work quality.
2. Analyzes performance indicators such as system's response time and number of programs being processed to ensure operational efficiency.
3. Designs, codes, installs, and maintains appropriate systems software program.
4. Supports the identification, evaluation, customizing and implementation of vendor-supplied software packages.
5. Supports special system regenerations where applicable to reflect changes in peripheral configuration.
6. Ensures the maintenance of adequate software systems documentation.
7. Trains users in applications programming and other user personnel in the use of systems software and related hardware.
8. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

13-1.51 Project Control Specialist

General Summary

Oversees financial management and administrative activities, such as budgeting, manpower resource planning, and financial reporting.

Principal Duties and Responsibilities

1. Performs complex evaluations of existing procedures, processes, techniques, models, and/or systems related to management problems or contractual issues, which would require a report and recommend solutions.
2. Develops work breakdown structures, prepare charts, tables, graphs, and diagrams to assist in analyzing problems.
3. Provides daily supervision and direction to staff.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

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13-1.52 Quality Assurance Analyst

General Summary

Establishes and maintains a process for evaluating systems and associated documentation. Determines the resources required for quality control. Maintains the level of quality throughout the project life cycle.

Principal Duties and Responsibilities

1. Conducts formal and informal reviews at pre-determined points throughout the development life cycle.
2. Provides technical and administrative direction for personnel performing systems 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.
3. Coordinates with the Project Manager to ensure problem solution and user satisfaction.
4. Makes recommendations, if needed, for approval of major systems installations.
5. Prepares milestone status reports and deliveries/presentations on the system concept to colleagues, subordinates, and end user representatives.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required.

13-1.53 Sr. Enterprise Consultant

General Summary

Technical subject matter expert for enterprise-wide system management tools and operations. Broad understanding of complex, multi-platform information technology (IT) infrastructure operations, hardware, software, processes and tools. Develops detailed design documents for multiple platform three tiered client server environments including geospatial definition and design. Architect solutions for systems management tools and oversees project implementation. Also has a good understanding of Cloud Deployment Models (Public, Private, Hybrid, Community), Cloud Delivery Services (Software as a Service [SAAS], Platform as a Service [PAAS] and Infrastructure as a Service [IAAS]), hypervisors and virtualization.

Principal Duties and Responsibilities

1. Design and document enterprise management solutions for complex heterogeneous IT environments.
2. Architect solutions that integrate systems, network and help desk tools into an integrated IT solution.
3. Provide hardware and software tool selection analysis and recommendations.
4. Manages technical teams with diverse areas of specialization to implement multiple software management tools either sequentially or in parallel.

**13-1.0 PROFESSIONAL SERVICES LABOR CATEGORIES AND RATES
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5. Confers with project manager to provide technical advice and to assist with problem resolution.
6. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
7. May perform other duties as assigned

Job Specifications

Bachelor's degree or equivalent and twelve (12) years of general experience Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is acceptable. With a PhD, four (4) years of general experience is required.

13-1.54 Sr. Information Systems Engineer

General Summary

Conduct IT engineering work requiring judgment in the evaluation, selection, adaptation and/or modification of standard techniques, procedures and criteria. Develop new approaches to problem solving. Independently performs assignments with instructions as to the general results expected. Supports GIS and geospatial information and metadata standards. Receives technical guidance on unusual or complex problems and supervisor approval for all projects. May supervise other engineers or technicians on assigned work.

Principal Duties and Responsibilities

1. Implement engineering principles, techniques and processes.
2. Determine product specifications and evaluate technologies for implementation and integration within the customer parameters.
3. Document the results of complex analysis and design tasks.
4. Design moderate to complex systems; assist in developing standards and techniques.
5. Formulate and document alternative methodologies for achieving customer objectives. Also defines system architectures and infrastructures to provide required functionality.

Job Specifications

Bachelor's degree in Engineering or a related curriculum and ten (10) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree.

13-1.55 Sr. Network Engineer

General Summary

Performs a variety of network engineering tasks, either independently or under supervision, which are broad in nature and are concerned with the design and implementation of integrated networks, including personnel, hardware, software, and support facilities and/or equipment. Supervises team of Network Engineers through project completion.

Principal Duties and Responsibilities

1. Plans and performs network engineering research, design development, and other assignments in conformance with network design, engineering and customer specifications.
2. Supervises team of Network Engineers through project completion.
3. Responsible for major technical/engineering projects of higher complexity and importance than those normally assigned to lower level engineers.
4. Coordinates the activities of Network Engineers and Network Technicians assigned to specific network engineering projects.
5. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
6. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, four (4) years of general experience is required. With a PhD, two (2) years of general experience is required.

13-1.56 Sr. Network Operations Analyst/Technician

General Summary

Provides senior level technical direction and manages large complex network operations involving legacy systems and state-of-the-art technology. Must be capable of performing at a very senior level in an environment with multiple network topologies and protocols as well as multiple operating systems

Principal Duties and Responsibilities

1. Operate and maintain large complex enterprise telecommunications networks.
2. Evaluate existing networks to identify deficiencies and recommend performance improvements.
3. Consult with user personnel to ensure that problems have been properly identified and that the proposed solution will ensure proper resolution.
4. Analyze network performance, usage and traffic flows, accesses and interfaces, transmission techniques, and protocols. May be required to prepare studies on network performance and give presentations on communications concepts and recommended improvements.
5. Provide technical direction to other network personnel concerning data communications, front end devices, simulation and queuing analysis, and the configuration, integration, and testing of complex large-scale computer integrated networks.
6. Participate in the preparation of specifications for acquiring commercially available communications networks.

7. Work independently or as a team leader to ensure the integrity of multiple complex network systems.
8. Analyze new software releases and hardware upgrades to determine impact on existing components.
9. Perform complex diagnostic testing, analysis and optimization of all components of the network including power, communications, hardware, lines, modems, and workstations. Perform systems testing and optimization of software components.
10. Plan installations, transitions, and cutovers of network components and capabilities.
11. Analyze network characteristics such as traffic, transmission speeds, and throughput.
12. Review communications networks as to their ability to support current requirements and develops methodology for utilizing new technology to perform existing activities more effectively.
13. Recommend network security procedures, including new procedures to secure Internet Protocol version 6 (IPv6).
14. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.

Job Specifications

A Bachelor's degree in Computer Science or related field and Seven (7) years of progressive ADP and/or network experience. Three (3) years' experience in implementing and maintaining complex telecommunication systems, including: developing and testing communications software interface programs; developing specifications; using protocol interfaces for multiple environments. If proposed as a Task Leader, twelve (12) months experience supervision of activities similar to those included in the specific task to which assigned. A NOS specific and/or other additional professional certification may also be required if necessary to meet task requirements. Five (5) years of specific job related experience or eight (8) years of general related experience may be substituted for the Bachelor's degree requirement or a Master's degree in an appropriate discipline may be substituted for two (2) years of general experience and one (1) year of specialized experience.

13-1.57 Sr. Operating Systems Software Analyst/Programmer

General Summary

Works independently on highly complex operating systems analysis/programming projects using programming languages.

Principal Duties and Responsibilities

1. Install, generate, maintain, test and debug system software programs.
2. Develop instructions for use of operating systems software and modifies/maintains system software packages via releases and utilities from manufacturers.
3. Evaluate existing operating systems software and recommends changes.
4. Optimize systems software performance.
5. Responsible for applications dealing with the overall operating system, such as sophisticated file maintenance routines, networks, CAD or GIS system software, such

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as ArcSDE, ArcIMS, ArcGIS and Oracle Spatial or mathematical/scientific software packages.

6. Engineer highly complex software such as may relate directly to operating systems, their performance, or controlled devices.
7. Prepare and edit FIP documentation incorporating information provided by user, specialist, analyst, programmer, and operations personnel.
8. Interpret technical documentation standards and prepare documentation according to supplied standards.
9. Other duties may include writing, editing and/or graphic presentation of technical information for both technical and non-technical personnel.

Job Specifications

High School Diploma or equivalent and six (6) years of experience in operating systems programming and/or analysis. Three (3) years' experience working independently on highly complex operating systems analysis/programming projects using programming languages. Directly related college level study may be substituted for general experience at a rate of one (1) year of study for six (6) months of experience. No more than four (4) years of study may be substituted for experience. If proposed as a Task Leader, twelve (12) months experience in supervision/management of ADP Support Activities.

13-1.58 Sr. Program Manager

General Summary

Directs the performance of a variety of highly technical projects which may be organized by technology, program or client. Oversees the technology development and/or application enterprise and multi-agency geospatial project design, marketing, and resource allocation within program client base. Program areas typically include engineering, integration, test, systems analysis, quality assurance, etc.

Principal Duties and Responsibilities:

1. Responsible for the effective management of funds and personnel, and is accountable for the quality and timely delivery of all contractual items.
2. Operates within client guidance, contractual limitations, and Company business and policy directives.
3. Serves as focal point of contact with client regarding program activities.
4. Ensures that all required resources are available for program implementation.
5. Maintains the development and execution of business opportunities based on broad, general guidance.
6. Confers with project manager to provide technical advice and to assist with problem resolution.
7. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and fifteen (15) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, thirteen (13) years of general experience is acceptable. With a PhD, eleven (11) years of general experience is required.

13-1.59 Sr. Programmer Analyst

General Summary

Works independently, with management review of end results. Has prime accountability for the maintenance and operating efficiency of a major subsystem, such as the teleprocessing network, database management systems or a GIS data application or integration.

Principal Duties and Responsibilities

1. Continually assess the performance of appropriate software systems to identify and correct problems which impact operation efficiency and work quality.
2. Maintains active liaison with user personnel to ensure continuing responsiveness of applicable system software user requirements.
3. Analyzes performance indicators such as system's response time and number of programs being processed to ensure operational efficiency.
4. Designs, codes, installs, and maintains appropriate systems software program.
5. Identifies, evaluates, tailors, and directs the implementation of vendor-supplied software packages.
6. Performs special system regenerations where applicable to reflect changes in peripheral configuration.
7. Ensures the maintenance of adequate software systems documentation.
8. Recommends to management the purchase or lease of system software packages and related hardware.
9. Provides technical assistance to less experienced systems software personnel in the resolution of complex system-related problems.
10. Trains users in applications programming and other user personnel in the use of systems software and related hardware.
11. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, four (4) years of general experience is required. With a PhD, two (2) years of general experience is required.

13-1.60 Sr. Software Engineer

General Summary

Under general supervision, engineer's software solutions based upon client requirements. Generally, has one or more Software Engineers on staff and heads up projects that make use of commercially available or custom Computer Aided Software Engineering (CASE) tools as required. Also utilizes various COTS products and techniques such as Tomcat, PostgreSQL, Postgis, GML, KML, XML, ArcSDE, ArcIMS, ArcGIS Server, ArcIMS, and Oracle Spatial, FGDC, OGIS, OGC and other GIS standards.

Principal Duties and Responsibilities

1. Engineer's software solutions based upon client requirements.
2. Supervises a staff of Software Engineers as required.
3. Manages projects that make use of commercially-available or custom CASE tools as required.
4. Develops technical documentation detailing the project design parameters.
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is required. With a PhD, four (4) years of general experience is required.

13-1.61 Sr. Systems Analyst

General Summary

Acts as a lead in performing systems analysis of computer and communications/networks systems. Oversees the overall installation of computer operating systems, network, and application software, hypervisors and other Cloud Computing infrastructure components, SOA software (ESBs, Web Servers, Business Process Software, Portal Servers). Has ability to adapt to new situations and environments. Possesses keen troubleshooting skills to assist other Sr. Systems Analysts and Program Managers to analyze enterprise information and geospatial architectures, process workflow management, ESRI technology, Oracle Spatial, and Web services.

Principal Duties and Responsibilities

1. Performs systems analysis of computer and networking systems.
2. Supports other Sr. Systems Analysts and Program Managers, as required.
3. Oversees the overall integration of all systems peripherals so that they can operate correctly within a predefined environment.
4. Oversees hotline support to customers.
5. Analyzes and develops technical documentation detailing the installation procedures.
6. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is acceptable. With a PhD, four (4) years of general experience is required.

13-1.62 Sr. Systems Engineer

General Summary

Acts as a lead in defining and executing systems engineering activities within a project such as process definition and workflow management. These activities may consist of systems planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, and development and staffing of a systems engineering or security management plan.

Principal Duties and Responsibilities

1. Performs systems engineering planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, security impact analysis.
2. Development and staffing of a systems engineering or security management plan.
3. Supports other Sr. Systems Engineers and Program Managers, as required.
4. Analyzes and develops technical documentation detailing the integration and system performance or information security.
5. May analyze security implications of authentication and authorization of Cloud based services spanning all the Delivery Models (SaaS, PaaS, IaaS).
6. Coordinates the activities of Systems Engineers and Jr. Systems Engineers assigned to specific systems engineering projects.
7. May analyze security implications of transitioning from IPv4 to Internet Protocol version 6 (IPv6).
8. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is required. With a PhD, four (4) years of general experience is required.

13-1.63 Sr. System Integration Engineer

General Summary

Acts as a lead in defining and executing integration engineering activities within a project. These activities may consist of concept exploration and assessment, systems integration, systems of systems integration, performance management, technology assessment, testing and validation, and development and staffing of a systems integration plan.

Principal Duties and Responsibilities:

1. Performs concept exploration and assessment, systems integration, systems of systems integration, performance management, technology assessment, testing and validation.
2. Development and staffing of a systems integration management plan.
3. Supports other Engineers and Program Managers, as required.
4. Analyzes and develops technical documentation detailing the integration and system performance.
5. Coordinates the activities of system integration engineers assigned to specific systems integration projects.
6. May test implementation of Internet Protocol version 6 (IPv6).
7. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and twelve (12) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, ten (10) years of general experience is required. With a PhD, 8 year of general experience is required.

13-1.64 Sr. Trainer

General Summary

Identifies, develops, implements, and conducts training and instruction of technical-based subject matter related to computer hardware/software, communications, local and wide area networking, Internet, video, imaging, geospatial capabilities & products and business processes, Government regulations, procurement/acquisition, strategic planning, etc., as required for a particular situation.

Principal Duties and Responsibilities

1. Designs, develops, prepares and refines training curriculum and course materials for various classroom and other instructional environments.
2. Possesses skills and knowledge in computer-based and multimedia training environments.
3. Conducts training requirements surveys, designs computer-based and multimedia curriculum in response to specific system training requirements during the life cycle.
4. Is intimately knowledgeable in the subject matters for which he/she is developing curriculum.
5. Supervises Training Specialists in the instruction of individual trainees as well as whole classes of students in a variety of technical-based subject matter.
6. Collaborates, when necessary, with outside entities.
7. May develop training on Internet Protocol version 6 (IPv6) and on issues dealing with the transition from IPv4 to IPv6.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, four (4) years of general experience is required. With a PhD, two (2) years of general experience is required.

13-1.65 Software Engineer

General Summary

Under general supervision, engineer's software solutions based upon client requirements. Generally reports to a Sr. Software Engineer and makes use of commercially-available or custom Computer Aided Software Engineering (CASE) tools as required also may utilize COTS products and techniques including Tomcat, PostgreSQL, Postgis, GML, KML, XML, web services, ArcSDE, ArcIMS, ArcSDE, ArcGIS Server, ArcIMS, and Oracle Spatial,

Principal Duties and Responsibilities

1. Engineer's software solutions based upon client requirements.
2. Supports a Sr. Software Engineer as required.
3. Uses commercially-available or custom CASE tools as required.
4. Develops technical documentation detailing the project design parameters.
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

13-1.66 Subject Matter Expert

General Summary

Expert in single or multiple technical disciplines. Provides Expert guidance and insight into specific technologies and their application and independently performs a variety of system design and integration tasks where a specific subject matter expertise is necessary.

Principal Duties and Responsibilities

1. Plans and performs research, design assessment, development, integration and other assignments in a specific technical area.
2. Supervises broad team of systems engineers.
3. Responsible for highly complex technical/engineering areas.
4. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and 17 years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, fifteen (15) years of general experience is required. With a PhD, 13 year of general experience is required.

13-1.0 PROFESSIONAL SERVICES LABOR CATEGORIES AND RATES (SIN 54151S and SIN 54151HEAL)

13-1.67 Systems Administrator

General Summary

Supervises and manages the daily activities of configuration and operation of business systems which may be mainframe, mini, or client/server based.

Principal Duties and Responsibilities

1. Optimizes system operation and resource utilization, and performs system capacity analysis and planning.
2. Provides assistance to users in accessing and using business systems.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree no experience is required.

13-1.68 Sr. Systems Administrator

General Summary

Supervises and manages the daily activities of configuration and operation of business systems which may be mainframe, mini, or client/server based.

Principal Duties and Responsibilities

1. Optimizes system operation and resource utilization, and performs system capacity analysis and planning.
2. Provides assistance to users in accessing and using business systems.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree no experience is required.

13-1.69 Systems Analyst

General Summary

Under general supervision, performs systems analysis of computer and communications/network systems. Performs systems installation of computer operating systems, network, and applications software, and computer/network hardware, hypervisors and other Cloud Computing infrastructure components, SOA software (ESBs, Web Servers, Business Process Software, Portal Servers). Provides hotline support to customers. Has ability to adapt to new situations and environments including GIS applications and requirements. Possesses keen troubleshooting skills to assist Sr. Systems Analysts.

Principal Duties and Responsibilities

1. Performs systems analysis of computer and networking systems.
2. Supports a Sr. Systems Analyst, as required.
3. Provides overall integration of all systems peripherals so that they operate correctly within a predefined environment.

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4. Provides hotline support to customers.
5. Develops technical documentation detailing the installation procedures.
6. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is acceptable. With a PhD, one (1) year of general experience is required.

13-1.70 Systems Architect

General Summary

Senior scientist who independently performs a variety of system design and engineering tasks which are broad in nature and are concerned with design and implementation of major enterprise systems development and integration, including supporting personnel, hardware, software, and support facilities and/or equipment. Supervises team of Sr. Systems Engineers, Network Engineers, Sr. Network Engineers, and Network Engineers through project completion and is considered a Subject Matter Expert (SME) in one or more specific areas of computer system design and networking.

Principal Duties and Responsibilities

1. Plans and performs systems and networking engineering research, design development, and other assignments in conformance with system and network design, engineering, and customer specifications.
2. Supervises team of Sr. Systems Engineers, Systems Engineers, Sr. Network Engineers, and Network Engineers.
3. Responsible for highly complex technical/engineering projects.
4. Coordinates the activities of Sr. Systems Engineers, Systems Engineers, Sr. Network Engineers, and Network Engineers assigned to specific system and network engineering projects.
5. Is the lead technical authority on the project.
6. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.
7. May perform other duties, as assigned.

Job Specifications

Master's degree or equivalent and ten (10) years of general experience. A Bachelor's degree and nine (9) years of general experience is equivalent to a Master's degree or a High School Diploma (or equivalent) and fifteen (15) years of general experience is considered equivalent to a Master's degree. With a Doctorate, eight (8) years of general experience is acceptable.

13-1.71 Systems Engineer

General Summary

Under general supervision, defines and executes systems engineering activities within a project. These activities may consist of systems planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, and development and staffing of a systems engineering or security management plan.

Principal Duties and Responsibilities

1. Performs systems engineering planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, security impact analysis.
2. Development and staffing of a systems engineering or security management plan.
3. Supports a Sr. Systems Engineer, as required.
4. Analyzes and develops technical documentation detailing the integration and system performance or information security.
5. May analyze security implications of authentication and authorization of Cloud based services spanning all the Delivery Models (SaaS, PaaS, IaaS).
6. Coordinates the activities of Systems Engineers and Jr. Systems Engineers assigned to specific systems engineering projects.
7. May analyze security implications of transitioning from IPv4 to Internet Protocol version 6 (IPv6).
8. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required.

13-1.72 Systems Integration Architect

General Summary

Senior Architect who independently performs a variety of system design and integration tasks which are broad in nature and are concerned with design, implementation and architecting of major systems, systems of systems, integration of systems elements and related support systems. Often supervises a broad team of engineers through project completion.

Principal Duties and Responsibilities

1. Plans and performs systems engineering research, design, development, integration and other assignments in conformance with system design, engineering, and customer specifications.
2. Supervises broad team of systems engineers.
3. Responsible for highly complex technical/engineering projects.

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4. Often leads team in technical areas.
5. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and fourteen (14) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, twelve (12) years of general experience is required. With a PhD, 10 year of general experience is required.

13-1.73 Systems Integration Engineer

General Summary

Under general supervision, defines and executes integration engineering activities within a project. These activities may consist of concept exploration and assessment, systems integration, GIS integration, legacy systems integration, performance management, technology assessment, testing and validation, and development and staffing of a systems integration plan.

Principal Duties and Responsibilities

1. Performs concept exploration and assessment, systems integration, systems of systems integration, performance management, technology assessment, testing and validation.
2. Supports a Sr. System Integration Engineer, as required.
3. Analyzes and develops technical documentation detailing the integration and system performance.
4. May test implementation of Internet Protocol version 6 (IPv6).
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is required. With a PhD, 4 year of general experience is required.

13-1.74 Systems Operator

General Summary

Monitors and supports computer processing.

Principal Duties and Responsibilities

1. Coordinates input, output, and file media.
2. Distributes output and controls computer operation which may be mainframe, mini, or client/server based.

Job Specifications

High School Diploma and two (2) years of general experience. There is no experience substitution for a High School Diploma, however a G.E.D., other degree equivalency program,

or a technical trade school certificate is acceptable. With a Bachelor's degree no experience is required.

13-1.75 Technical Writer/Editor

General Summary

Assists in collecting and organizing information required for preparation of user's manuals, training materials, installation guides, proposals, and other reports and deliverables. May have experience in Information Security.

Principal Duties and Responsibilities

1. Edits functional descriptions, system specifications, user's manuals, special reports, or any other customer deliverables and documents or information security related documents.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree.

13-1.76 Training Specialist

General Summary

Conducts the research necessary to develop and revise training courses including GIS courses.

Principal Duties and Responsibilities

1. Develops and revises these courses and prepares appropriate training catalogs.
2. Prepares instructor materials (course outline, background material, and training aids).
3. Prepares student materials (course manuals, workbooks, handouts, completion certificates, and course critique forms).
4. Trains personnel by conducting formal classroom courses, workshops and seminars.
5. May provide training on Internet Protocol version 6 (IPv6).

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree no experience is required.

13-1.77 Webmaster

General Summary

Works independently in support of client requirements. Installs and configures WWW hardware; installs and implements WWW software; designs, develops, implements, and maintains Home/WEB pages tailored to client requirements.

Principal Duties and Responsibilities

1. Utilize software, such as, JAVA, HTML, Windows 95/NT, Visual C++, Visual Basic, PERL, C Shell scripts, Novell Netware, UNIX, TCP/IP, and various WEB authoring tools, e.g., Microsoft's Frontpage and Lotus Notes' Domino.

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2. Monitor usage, pages browsed, time online; maintain currency with the Internet Service Providers (ISPs), e.g., CompuServe, AOL, and Traveler's capabilities and performance by tracking downtime, and online performance.
3. Remain abreast of the latest developments in software, hardware, and services provided by the ISPs and recommends upgrades/alternatives to more effectively meet client requirements.
4. Navigate databases; develop capabilities to prevent unauthorized intrusions; train users on ISP, homepage, and WKW use; and prepare/edit system documentation.
5. May be responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition from IPv4 to IPv6.

Job Specifications

High School Diploma or equivalent and four (4) years general experience in microcomputer technology. Two (2) years' experience in various network technologies for LAN and WAN, servers, network operating systems and protocols, inter/intranet servers and languages, and designing, developing, and maintaining WEB pages. If proposed as Task Leader, twelve (12) months in supervision/management of ADP support activities.

**13-2.0 PROFESSIONAL SERVICES PRICE LIST
(SIN 54151S and SIN 54151HEAL)**

13-2.1 Leidos/On-Site Rates

All Rates Include GSA IFF (.75%)

SIN 54151S, 54151HEAL PROFESSIONAL SERVICES PRICE LIST

GS -35F-116AA	5-YEAR OPTION PERIOD 1 - 12/13/2017 through 12/12/2022				
	Contract Year 6	Contract Year 7	Contract Year 8	Contract Year 9	Contract Year 10
LEIDOS CONTRACTOR / ON-SITE RATES All Rates Include GSA IFF (.75%)	12/13/2017 through 12/12/2018	12/13/2018 through 12/12/2019	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
Administrative Support	\$ 68.28	\$ 69.92	\$ 71.60	\$ 73.32	\$ 75.08
Computer Operator	\$ 81.56	\$ 83.52	\$ 85.52	\$ 87.57	\$ 89.67
Computer System/Network Engineer	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Cost Analyst	\$ 85.34	\$ 87.39	\$ 89.49	\$ 91.64	\$ 93.84
Data Entry/Analyst I	\$ 66.45	\$ 68.04	\$ 69.67	\$ 71.34	\$ 73.05
Data Entry/Analyst II	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Data Entry/Analyst III	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Data Warehouse Specialist I	\$ 85.34	\$ 87.39	\$ 89.49	\$ 91.64	\$ 93.84
Data Warehouse Specialist II	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Data Warehouse Specialist III	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Data Warehouse Specialist IV	\$ 138.72	\$ 142.05	\$ 145.46	\$ 148.95	\$ 152.52
Data Warehouse Specialist V	\$ 157.86	\$ 161.65	\$ 165.53	\$ 169.50	\$ 173.57
Draftsman	\$ 62.83	\$ 64.34	\$ 65.88	\$ 67.46	\$ 69.08
Enterprise Consultant	\$ 195.18	\$ 199.86	\$ 204.66	\$ 209.57	\$ 214.60
ERP Consultant I	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
ERP Consultant II	\$ 101.07	\$ 103.50	\$ 105.98	\$ 108.52	\$ 111.12
ERP Consultant III	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Functional Analyst	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Functional Specialist	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Hardware/Software Installation Technician	\$ 69.66	\$ 71.33	\$ 73.04	\$ 74.79	\$ 76.58
Hardware/Software Specialist I	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Hardware/Software Specialist II	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Hardware/Software Specialist III	\$ 157.53	\$ 161.31	\$ 165.18	\$ 169.14	\$ 173.20
Help Desk Manager	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Help Desk Specialist	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Information Engineer I	\$ 69.66	\$ 71.33	\$ 73.04	\$ 74.79	\$ 76.58
Information Engineer II	\$ 91.22	\$ 93.41	\$ 95.65	\$ 97.95	\$ 100.30

**13-2.0 PROFESSIONAL SERVICES PRICE LIST
(SIN 54151S and SIN 54151HEAL)**

Information Engineer III	\$ 138.72	\$ 142.05	\$ 145.46	\$ 148.95	\$ 152.52
Information Engineer IV	\$ 184.64	\$ 189.07	\$ 193.61	\$ 198.26	\$ 203.02
Information Engineer V	\$ 213.22	\$ 218.34	\$ 223.58	\$ 228.95	\$ 234.44
Internet/Intranet Specialist I	\$ 77.63	\$ 79.49	\$ 81.40	\$ 83.35	\$ 85.35
Internet/Intranet Specialist II	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Internet/Intranet Specialist III	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Information Systems Engineer	\$ 95.75	\$ 98.05	\$ 100.40	\$ 102.81	\$ 105.28
Jr. Enterprise Consultant	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Jr. Functional Specialist	\$ 77.63	\$ 79.49	\$ 81.40	\$ 83.35	\$ 85.35
Jr. Systems Analyst	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Jr. Systems Engineer	\$ 95.75	\$ 98.05	\$ 100.40	\$ 102.81	\$ 105.28
Network Architecture Engineer I	\$ 91.22	\$ 93.41	\$ 95.65	\$ 97.95	\$ 100.30
Network Architecture Engineer II	\$ 110.50	\$ 113.15	\$ 115.87	\$ 118.65	\$ 121.50
Network Engineer	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Network Management Engineer I	\$ 110.50	\$ 113.15	\$ 115.87	\$ 118.65	\$ 121.50
Network Management Engineer II	\$ 128.33	\$ 131.41	\$ 134.56	\$ 137.79	\$ 141.10
Network Management Engineer III	\$ 231.26	\$ 236.81	\$ 242.49	\$ 248.31	\$ 254.27
Network Management Engineer IV	\$ 231.26	\$ 236.81	\$ 242.49	\$ 248.31	\$ 254.27
Sr Network Technician	\$ 117.52	\$ 120.34	\$ 123.23	\$ 126.19	\$ 129.22
Operations Manager	\$ 122.24	\$ 125.17	\$ 128.17	\$ 131.25	\$ 134.40
Production Control Specialist	\$ 69.66	\$ 71.33	\$ 73.04	\$ 74.79	\$ 76.58
Program Manager	\$ 209.28	\$ 214.30	\$ 219.44	\$ 224.71	\$ 230.10
Programmer Analyst	\$ 85.34	\$ 87.39	\$ 89.49	\$ 91.64	\$ 93.84
Project Control Specialist	\$ 90.63	\$ 92.81	\$ 95.04	\$ 97.32	\$ 99.66
Quality Assurance Analyst	\$ 95.75	\$ 98.05	\$ 100.40	\$ 102.81	\$ 105.28
Sr. Enterprise Consultant	\$ 231.26	\$ 236.81	\$ 242.49	\$ 248.31	\$ 254.27
Sr. Information Systems Engineer	\$ 160.49	\$ 164.34	\$ 168.28	\$ 172.32	\$ 176.46
Sr. Network Engineer	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Sr. Network Operations Analyst/Technician	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Sr. Operator Systems Software Analyst/Programmer	\$ 125.72	\$ 128.74	\$ 131.83	\$ 134.99	\$ 138.23
Sr. Program Manager	\$ 240.56	\$ 246.33	\$ 252.24	\$ 258.29	\$ 264.49
Sr. Programmer Analyst	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Sr. Software Engineer	\$ 141.48	\$ 144.88	\$ 148.36	\$ 151.92	\$ 155.57
Sr. Systems Analyst	\$ 166.94	\$ 170.95	\$ 175.05	\$ 179.25	\$ 183.55
Sr. Systems Engineer	\$ 160.49	\$ 164.34	\$ 168.28	\$ 172.32	\$ 176.46
Sr. Systems Integration Engineer	\$ 187.83	\$ 192.34	\$ 196.96	\$ 201.69	\$ 206.53
Sr. Trainer	\$ 100.73	\$ 103.15	\$ 105.63	\$ 108.17	\$ 110.77
Software Engineer	\$ 117.52	\$ 120.34	\$ 123.23	\$ 126.19	\$ 129.22
Subject Matter Expert	\$ 243.86	\$ 249.71	\$ 255.70	\$ 261.84	\$ 268.12
Systems Administrator	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56

**13-2.0 PROFESSIONAL SERVICES PRICE LIST
(SIN 54151S and SIN 54151HEAL)**

Sr. Systems Administrator	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Systems Analyst	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Systems Architect	\$ 201.83	\$ 206.67	\$ 211.63	\$ 216.71	\$ 221.91
Systems Engineer	\$ 126.57	\$ 129.61	\$ 132.72	\$ 135.91	\$ 139.17
Systems Integration Architect	\$ 243.86	\$ 249.71	\$ 255.70	\$ 261.84	\$ 268.12
Systems Integration Engineer	\$ 151.38	\$ 155.01	\$ 158.73	\$ 162.54	\$ 166.44
Systems Operator	\$ 51.38	\$ 52.61	\$ 53.87	\$ 55.16	\$ 56.48
Technical Writer/Editor	\$ 86.63	\$ 88.71	\$ 90.84	\$ 93.02	\$ 95.25
Training Specialist	\$ 83.11	\$ 85.10	\$ 87.14	\$ 89.23	\$ 91.37
Webmaster	\$ 69.19	\$ 70.85	\$ 72.55	\$ 74.29	\$ 76.07
HS = High School; BD = Bachelor's Degree; MA = Master's Degree; equiv = equivalent					
* The price reduction offered to GSA shall not apply to task orders issued and outstanding quotes submitted prior to the effective date of the resulting modification. Additionally, price reductions shall not apply for any Contract Options or Option Years within existing task orders and/or quotes submitted prior to the effective date of the resulting modification.					

13-2.2 Customer/Off-Site Rates

All Rates Include GSA IFF (.75%)

SIN 54151S, 54151HEAL PROFESSIONAL SERVICES PRICE LIST

GS -35F-116AA	5-YEAR OPTION PERIOD 1 - 12/13/2017 through 12/12/2022				
	Contract Year 6	Contract Year 7	Contract Year 8	Contract Year 9	Contract Year 10
GOVERNMENT / OFF-SITE RATES All Rates Include GSA IFF (.75%)	12/13/2017 through 12/12/2018	12/13/2018 through 12/12/2019	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
Administrative Support	\$ 53.98	\$ 55.28	\$ 56.61	\$ 57.97	\$ 59.36
Computer Operator	\$ 64.47	\$ 66.02	\$ 67.60	\$ 69.22	\$ 70.88
Computer System/Network Engineer	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82
Cost Analyst	\$ 66.95	\$ 68.56	\$ 70.21	\$ 71.90	\$ 73.63
Data Entry/Analyst I	\$ 52.53	\$ 53.79	\$ 55.08	\$ 56.40	\$ 57.75
Data Entry/Analyst II	\$ 64.31	\$ 65.85	\$ 67.43	\$ 69.05	\$ 70.71
Data Entry/Analyst III	\$ 78.17	\$ 80.05	\$ 81.97	\$ 83.94	\$ 85.95
Data Warehouse Specialist I	\$ 66.95	\$ 68.56	\$ 70.21	\$ 71.90	\$ 73.63
Data Warehouse Specialist II	\$ 78.17	\$ 80.05	\$ 81.97	\$ 83.94	\$ 85.95
Data Warehouse Specialist III	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Data Warehouse Specialist IV	\$ 109.68	\$ 112.31	\$ 115.01	\$ 117.77	\$ 120.60
Data Warehouse Specialist V	\$ 123.83	\$ 126.80	\$ 129.84	\$ 132.96	\$ 136.15
Draftsman	\$ 49.52	\$ 50.71	\$ 51.93	\$ 53.18	\$ 54.46
Enterprise Consultant	\$ 154.30	\$ 158.00	\$ 161.79	\$ 165.67	\$ 169.65
ERP Consultant I	\$ 64.31	\$ 65.85	\$ 67.43	\$ 69.05	\$ 70.71

13-2.0 PROFESSIONAL SERVICES PRICE LIST (SIN 54151S and SIN 54151HEAL)

ERP Consultant II	\$ 79.90	\$ 81.82	\$ 83.78	\$ 85.79	\$ 87.85
ERP Consultant III	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Functional Analyst	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Functional Specialist	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82
Hardware/Software Installation Technician	\$ 55.06	\$ 56.38	\$ 57.73	\$ 59.12	\$ 60.54
Hardware/Software Specialist I	\$ 64.31	\$ 65.85	\$ 67.43	\$ 69.05	\$ 70.71
Hardware/Software Specialist II	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Hardware/Software Specialist III	\$ 124.54	\$ 127.53	\$ 130.59	\$ 133.72	\$ 136.93
Help Desk Manager	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82
Help Desk Specialist	\$ 64.31	\$ 65.85	\$ 67.43	\$ 69.05	\$ 70.71
Information Engineer I	\$ 55.06	\$ 56.38	\$ 57.73	\$ 59.12	\$ 60.54
Information Engineer II	\$ 72.11	\$ 73.84	\$ 75.61	\$ 77.42	\$ 79.28
Information Engineer III	\$ 109.52	\$ 112.15	\$ 114.84	\$ 117.60	\$ 120.42
Information Engineer IV	\$ 144.87	\$ 148.35	\$ 151.91	\$ 155.56	\$ 159.29
Information Engineer V	\$ 168.56	\$ 172.61	\$ 176.75	\$ 180.99	\$ 185.33
Internet/Intranet Specialist I	\$ 61.37	\$ 62.84	\$ 64.35	\$ 65.89	\$ 67.47
Internet/Intranet Specialist II	\$ 64.31	\$ 65.85	\$ 67.43	\$ 69.05	\$ 70.71
Internet/Intranet Specialist III	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Information Systems Engineer	\$ 75.69	\$ 77.51	\$ 79.37	\$ 81.27	\$ 83.22
Jr. Enterprise Consultant	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Jr. Functional Specialist	\$ 61.37	\$ 62.84	\$ 64.35	\$ 65.89	\$ 67.47
Jr. Systems Analyst	\$ 78.17	\$ 80.05	\$ 81.97	\$ 83.94	\$ 85.95
Jr. Systems Engineer	\$ 75.69	\$ 77.51	\$ 79.37	\$ 81.27	\$ 83.22
Network Architecture Engineer I	\$ 72.11	\$ 73.84	\$ 75.61	\$ 77.42	\$ 79.28
Network Architecture Engineer II	\$ 87.36	\$ 89.46	\$ 91.61	\$ 93.81	\$ 96.06
Network Engineer	\$ 78.17	\$ 80.05	\$ 81.97	\$ 83.94	\$ 85.95
Network Management Engineer I	\$ 87.36	\$ 89.46	\$ 91.61	\$ 93.81	\$ 96.06
Network Management Engineer II	\$ 101.45	\$ 103.88	\$ 106.37	\$ 108.92	\$ 111.53
Network Management Engineer III	\$ 182.56	\$ 186.94	\$ 191.43	\$ 196.02	\$ 200.72
Network Management Engineer IV	\$ 182.82	\$ 187.21	\$ 191.70	\$ 196.30	\$ 201.01
Sr Network Technician	\$ 92.22	\$ 94.43	\$ 96.70	\$ 99.02	\$ 101.40
Operations Manager	\$ 95.90	\$ 98.20	\$ 100.56	\$ 102.97	\$ 105.44
Production Control Specialist	\$ 55.06	\$ 56.38	\$ 57.73	\$ 59.12	\$ 60.54
Program Manager	\$ 165.45	\$ 169.42	\$ 173.49	\$ 177.65	\$ 181.91
Programmer Analyst	\$ 66.95	\$ 68.56	\$ 70.21	\$ 71.90	\$ 73.63
Project Control Specialist	\$ 71.64	\$ 73.36	\$ 75.12	\$ 76.92	\$ 78.77
Quality Assurance Analyst	\$ 75.69	\$ 77.51	\$ 79.37	\$ 81.27	\$ 83.22
Sr. Enterprise Consultant	\$ 182.82	\$ 187.21	\$ 191.70	\$ 196.30	\$ 201.01
Sr. Information Systems Engineer	\$ 126.88	\$ 129.93	\$ 133.05	\$ 136.24	\$ 139.51
Sr. Network Engineer	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82

**13-2.0 PROFESSIONAL SERVICES PRICE LIST
(SIN 54151S and SIN 54151HEAL)**

Sr. Network Operations Analyst/Technician	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82
Sr. Operator Systems Software Analyst/Programmer	\$ 99.39	\$ 101.78	\$ 104.22	\$ 106.72	\$ 109.28
Sr. Program Manager	\$ 190.18	\$ 194.74	\$ 199.41	\$ 204.20	\$ 209.10
Sr. Programmer Analyst	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Sr. Software Engineer	\$ 111.00	\$ 113.66	\$ 116.39	\$ 119.18	\$ 122.04
Sr. Systems Analyst	\$ 131.98	\$ 135.15	\$ 138.39	\$ 141.71	\$ 145.11
Sr. Systems Engineer	\$ 126.88	\$ 129.93	\$ 133.05	\$ 136.24	\$ 139.51
Sr. Systems Integration Engineer	\$ 148.50	\$ 152.06	\$ 155.71	\$ 159.45	\$ 163.28
Sr. Trainer	\$ 79.63	\$ 81.54	\$ 83.50	\$ 85.50	\$ 87.55
Software Engineer	\$ 92.22	\$ 94.43	\$ 96.70	\$ 99.02	\$ 101.40
Subject Matter Expert	\$ 192.79	\$ 197.42	\$ 202.16	\$ 207.01	\$ 211.98
Systems Administrator	\$ 78.17	\$ 80.05	\$ 81.97	\$ 83.94	\$ 85.95
Sr Systems Administrator	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82
Systems Analyst	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Systems Architect	\$ 159.57	\$ 163.40	\$ 167.32	\$ 171.34	\$ 175.45
Systems Engineer	\$ 100.06	\$ 102.46	\$ 104.92	\$ 107.44	\$ 110.02
Systems Integration Architect	\$ 192.79	\$ 197.42	\$ 202.16	\$ 207.01	\$ 211.98
Systems Integration Engineer	\$ 119.68	\$ 122.55	\$ 125.49	\$ 128.50	\$ 131.58
Systems Operator	\$ 40.31	\$ 41.28	\$ 42.27	\$ 43.28	\$ 44.32
Technical Writer/Editor	\$ 68.49	\$ 70.13	\$ 71.81	\$ 73.53	\$ 75.29
Training Specialist	\$ 65.22	\$ 66.79	\$ 68.39	\$ 70.03	\$ 71.71
Webmaster	\$ 55.31	\$ 56.64	\$ 58.00	\$ 59.39	\$ 60.82
HS = High School; BD = Bachelor's Degree; MA = Master's Degree; equiv = equivalent					
* The price reduction offered to GSA shall not apply to task orders issued and outstanding quotes submitted prior to the effective date of the resulting modification. Additionally, price reductions shall not apply for any Contract Options or Option Years within existing task orders and/or quotes submitted prior to the effective date of the resulting modification.					

**13-2.0 PROFESSIONAL SERVICES PRICE LIST
(SIN 54151S and SIN 54151HEAL)**

14.0 TERMS AND CONDITIONS APPLICABLE TO ELECTRONIC COMMERCE AND SUBSCRIPTION SERVICES (SIN 54151ECOM)

14.1 Scope

- (a) The prices, terms and conditions stated under Special Item Number 54151ECOM Electronic Commerce (EC) Services apply exclusively to EC 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.

14.2 Electronic Commerce Capacity and Coverage

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

14.3 Performance of Electronic Services

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

14.4 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.

14.5 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.

14.6 Training

The Contractor shall provide normal commercial installation, operation, maintenance, and engineering interface training on the system. If there is a separate charge, indicate below:

14.7 Monthly Reports

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

14.8 Electronic Commerce (EC) Service Plan

- (a) Describe the electronic service plan and eligibility requirements.
- (b) Describe charges, if any, for additional usage guidelines.
- (c) Describe corporate volume discounts and eligibility requirements, if any.

15.0 TERMS AND CONDITIONS APPLICABLE TO AUTHENTICATION PRODUCTS AND SERVICES (SIN 541519PIV)

*AUTHENTICATION PRODUCTS AND SERVICES
(JAN 2010) (CI-FSS-052)*

15.1 Authentication Products and Services (Jan 2010) ([CI-FSS-052](#))

A. General Background

Authentication Products and Services provide for authentication of individuals for purposes of physical and logical access control, electronic signature, performance of E-business transactions and delivery of Government services. Authentication Products and Services consist of hardware, software components and supporting services that provide for identity assurance.

Homeland Security Presidential Directive 12 (HSPD-12), "Policy for a Common Identification Standard for Federal Employees and Contractors" establishes the requirement for a mandatory Government-wide standard for secure and reliable forms of identification issued by the Federal Government to its employees and contractor employees assigned to Government contracts in order to enhance security, increase Government efficiency, reduce identity fraud, and protect personal privacy. Further, the Directive requires the Department of Commerce to promulgate a Federal standard for secure and reliable forms of identification within six (6) months of the date of the Directive. As a result, the National Institute of Standards and Technology (NIST) released Federal Information Processing Standard (FIPS) 201: Personal Identity Verification of Federal Employees and Contractors on February 25, 2005. FIPS 201 requires that the digital certificates incorporated into the Personal Identity Verification (PIV) identity credentials comply with the X.509 Certificate Policy for the U.S. Federal PKI Common Policy Framework. In addition, FIPS 201 requires that Federal identity badges referred to as PIV credentials, issued to Federal employees and contractors comply with the Standard and associated NIST Special Publications 800-73, 800-76, 800-78, and 800-79.

B. Special Item Numbers (SINs)

The General Services Administration has established the E-Authentication Initiative to provide common infrastructure for the authentication of the public and internal federal users for logical access to Federal E-Government applications and electronic services. To support the government-wide implementation of HSPD-12 and the Federal E-Authentication Initiative, GSA has established Special Item Numbers (SINs) pertaining to Authentication Products and Services, including Electronic Credentials, Digital Certificates, e-Authentication, Identify and Access Management, PKI Shared Service Providers, and HSPD-12 Product and Service Components.

The HSPD-12 implementation components specified under this SIN are:

- PIV Enrollment and Registration Services and Products
 - Hardware and Software Products
 - Deployment Services
 - Managed Services

- PIV Systems Infrastructure, Services and Products
 - Hardware and Software Products
 - Deployment Services
 - Managed Services

- PIV Card Management and Production Services and Products
 - Hardware and Software Products
 - Deployment Services
 - Managed Services

- PIV Card Finalization Services and Products
 - Hardware and Software Products
 - Deployment Services
 - Managed Services

- PIV System Integration Services and Products (Bundled)
 - “Pure” Integration Services
 - Turn-Key Integrated Services and Products
 - Managed Services

- Physical Access Control Products and Services
- Logical Access Control Products and Services
- PIV System Integration Services
- Approved FIPS 201 Compliant Products and Services

C. *Qualification Information*

All Authentication Products and Services must be qualified as being compliant with Government-wide requirements before they will be included on a GSA Information Technology (IT) Schedule contract. The Qualification Requirements and associated evaluation procedures against the Qualification Requirements for each SIN and the specific Qualification

15.0 TERMS AND CONDITIONS APPLICABLE TO AUTHENTICATION PRODUCTS AND SERVICES (SIN 541519PIV)

Requirements for HSPD-12 implementation components are presented at the following URL:
<https://www.idmanagement.gov/>.

In addition, the National Institute of Standards and Technology (NIST) has established the NIST Personal Identity Verification Program (NPIVP) to evaluate integrated circuit chip cards and products against conformance requirements contained in FIPS 201. GSA has established the FIPS 201 Evaluation Program to evaluate other products needed for agency implementation of HSPD-12 requirements where normative requirements are specified in FIPS 201 and to perform card and reader interface testing for interoperability. Products that are approved as FIPS-201 compliant through these evaluation and testing programs may be offered directly through SIN 541519PIV under the category “Approved FIPS 201-Compliant Products and services.

D. Qualification Requirements.

1. Offerors proposing Authentication products and services are required to provide the following:

- i. Proposed items must be determined to be compliant with Federal requirements for that Special Item Number. Qualification Requirements and procedures for the evaluation of products and services are posted at the URL:
<http://www.idmanagement.gov>. GSA will follow these procedures in qualifying offeror's products and services against the Qualification Requirements for applicable to SIN. Offerors must submit all documentation certification letter(s) for Authentication Products and Services offerings at the same time as the submission of proposal. Award will be dependent upon receipt of official documentation from the Acquisition Program Management Office (APMO) listed below verifying satisfactory qualification against the Qualification Requirements of the proposed SIN(s).
- ii. After award, Contractor agrees that certified products and services will not be offered under any other SIN on any GSA Multiple Award Schedule.
- iii.
 - a. If the Contractor changes the products or services previously qualified, GSA may require the contractor to resubmit the products or services for re-qualification.
 - b. If the Federal Government changes the qualification requirements or standards, Contractor must resubmit the products and services for re-qualification.

2. Immediately prior to making an award, Contracting Officers MUST consult the following website to ensure that the supplies and/or services recommended for award under any Authentication Products and Services SINs are in compliance with the latest APL qualification standards: <http://www.idmanagement.gov>. A dated copy of the applicable page should be made and included with award documents.

E. Demonstrating Conformance

The Federal Government has established Qualification Requirements for demonstrating conformance with the Standards. The following websites provide additional information regarding the evaluation and qualification processes:

1. For Access Certificates for Electronic Services (ACES) and PKI Shared Service Provider (SSP) Qualification Requirements and evaluation procedures:
<http://www.idmanagement.gov>,

15.0 TERMS AND CONDITIONS APPLICABLE TO AUTHENTICATION PRODUCTS AND SERVICES (SIN 541519PIV)

2. For HSPD-12 Product and Service Components Qualification Requirements and evaluation procedures: <http://www.idmanagement.gov>,
3. For FIPS 201 compliant products and services qualification and approval procedures: <https://www.idmanagement.gov/fips201/> and <http://www.smart.gov>.

F. Acquisition Program Management Office (APMO).

GSA has established the APMO to provide centralized technical oversight and management regarding the qualification process to industry partners and Federal agencies. Contact the following APMO for information on the E-Authentication Qualification process.

1. The Acquisition Program Management Office point-of-contact for Access Certificates for Electronic Services (ACES – SIN 132-60) and PKI Shared Service Providers (PKI SSP – SIN 132-61) is:

Stephen P. Duncan
Program Manager
E-Authentication Program Management Office
2011 Crystal Drive, Suite 911
Arlington, VA 22202
stephen.duncan@gsa.gov
703-306-6096

2. The Acquisition Program Management Office point-of-contact for HSPD-12 Product and Service Components is:

Mike Brooks
Director, Center for Smartcard Solutions
Office of Center for Smartcard Solutions
1800 F Street, N.W., Room 5010
Washington, D.C. 20405
202.501.2765 (telephone)
202.208.3133 (fax)

15-1.0 HOMELAND SECURITY PRESIDENTIAL DIRECTIVE 12 (HSPD-12) PROFESSIONAL SERVICES LABOR CATEGORIES AND RATES (SIN 541519PIV)

15-1.1 HSPD-12 Data Entry/Analyst I

General Summary

Performs as a functional area expert for specialized security applications and operational environments, knowledge of computer systems and ability to analyze problems to satisfy task order requirements.

Principal Duties and Responsibilities

1. Provides technical knowledge and security analysis of specialized applications and operational environments, and advice on problems which require knowledge of the subject matter for effective solutions.
2. Applies principles, methods and knowledge of the functional area of expertise to specific task order requirements. Assists in the design and preparation of technical reports and related Homeland Security Presidential Directive 12 (HSPD-12) documentation.
3. Assist in the preparation and presentations and briefings as required by the task order. Responsibilities include providing documentation planning and support, project administration, general office support, entering data into database management computer systems for various functional areas. Works under general supervision.

Job Specifications

High School degree or equivalent. Requires three (3) years of general experience. Associates degree can be substituted for three (3) years' experience. May or may not hold security clearances.

15-1.2 HSPD-12 Data Entry/Analyst II

General Summary

Performs as a functional area expert for specialized security applications and operational environments, knowledge of computer systems and ability to analyze complex problems to satisfy task order requirements. Possesses the ability to assume increasing responsibilities in the functional area activities and is knowledgeable of applicable functional standards and provides general technical support.

Principle Duties and Responsibilities

1. Provides technical knowledge and analysis of specialized security applications and operational environments, and advice on problems which require knowledge of the subject matter for effective solutions.
2. Applies principles, methods and knowledge of the functional area of expertise to specific task order requirements. Designs and prepares technical reports and related HSPD-12 documentation. Prepares and delivers presentations and briefings as required by the task order.

15-1.0 HOMELAND SECURITY PRESIDENTIAL DIRECTIVE 12 (HSPD-12) PROFESSIONAL SERVICES LABOR CATEGORIES AND RATES (SIN 541519PIV)

3. Responsibilities include coordinating and managing new functional area systems integration upgrades and entering data into database management computer systems for various functional areas to include HSPD-12, providing documentation planning and support, project administration and general office support. Works independently under minimal supervision.

Job Specifications

High School degree or equivalent and six (6) years general experience. Associates degree can be substituted for three (3) years' experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, no experience is required. May or may not hold security clearances.

15-1.3 HSPD-12 Data Entry/Analyst III

General Summary

Performs as a functional area expert for specialized security applications and operational environments, knowledge of computer systems and ability to analyze complex problems to satisfy task order requirements. Possesses the ability to assume increasing responsibilities in the functional area activities and is knowledgeable of applicable functional standards and provides general technical support. Is capable of implementing functional area projects and performing HSPD-12 analysis.

Principle Duties and Responsibilities

1. Provides technical knowledge and analysis of specialized applications and operational environments, and advice on problems which require knowledge of the subject matter for effective solutions.
2. Applies principles, methods and knowledge of the functional area of expertise to specific task order requirements. Designs and prepares technical reports and related HSPD-12 documentation. Prepares and delivers presentations and briefings as required by the task order.
3. Responsibilities include providing documentation planning and support, project administration, general office support, constructing database management systems, providing technical leadership for HSPD-12 functional area analysis, coordinating and managing new area security system upgrades, and entering data into database management computer systems for various functional areas. Possesses the ability to work independently and provides supervision to staff.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. Associates degree can be substituted for three (3) years' experience. With a Master's degree, three (3) years of general experience is required. May or may not hold security clearances.

15-1.4 HSPD-12 Enterprise Consultant

General Summary

Deploys enterprise-wide Security system management tools. Evaluates HSPD-12 issues and has the capability to manage security systems. Has a good understanding of complex, multi-platform information technology (IT) infrastructure operations, processes and tools. Deploy architected solution and ability to solve unanticipated complications in the field.

Principal Duties and Responsibilities

1. Deploy and document enterprise management security solutions for complex heterogeneous IT environments.
2. Integrate security systems, network and help desk tools into an integrated HSPD-12 solution.
3. Provide hardware and software tool selection analysis and recommendations.
4. Lead technical teams with diverse areas of specialization to implement multiple software management tools either sequentially or in parallel.
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, two (2) years of general experience is acceptable. With a PhD, no experience is required. May or may not hold security clearances.

15-1.5 HSPD-12 Functional Analyst

General Summary

Applies broad knowledge and experience to HSPD-12 requirements. Develops designs and performs feasibility studies and functional security systems analysis for complex integrated information security management systems. Must be able to work independently.

Principal Duties and Responsibilities

1. Configuration Management Support for complex integrated management systems while maintaining quality assurance.
2. Provide business process re-engineering support such as, but not limited to, design of alternative strategies, development and monitoring of functional tests and assistance in the implementation of HSPD-12 solutions.
3. Provide fiscal support as well as security analysis, human factor analysis and data analysis support.
4. May perform other duties as assigned.

Job Specifications

Bachelor's degree in a related curriculum and five (5) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree. May or may not hold security clearances.

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15-1.6 HSPD-12 Functional Specialist

General Summary

Applies specific knowledge and experience to HSPD-12 issues. Develops functional security requirements relating to complex integrated information technology security systems. Must demonstrate the ability to work independently or under only general direction.

Principal Duties and Responsibilities

1. Develop and provide skills and disciplines on a variety of information technology security issues.
2. Assist Program Managers, Systems Analysts, Engineers and Programmers to ensure successful continuity and program completion.
3. Specialized skills include, but are not limited to, HSPD-12 planning and implementation, communications, systems administrations and quality assurance.

Job Specifications

Bachelor's degree in a related curriculum and ten (10) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree. May or may not hold security clearances.

15-1.7 HSPD-12 Hardware/Software Installation Technician

General Summary

Conducts sites surveys; assesses and documents current security configurations and user requirements and installs new configurations.

Principal Duties and Responsibilities

1. Designs and optimize network topologies. Analyzes existing security requirements and prepares specifications for hardware/software acquisitions.
2. Prepares engineering plans and site installation Technical Design Packages.
3. Develops HSPD-12 hardware/software installation schedules. Prepares drawings documenting configuration changes at each site.
4. Prepares site installation and test reports.
5. Configures security systems, communications devices, and peripheral equipment. Installs network hardware/software.
6. Trains site personnel in proper use of HSPD-12 related hardware/software.
7. Builds interconnecting cables.

Job Specifications

High School Diploma or equivalent and two (2) years of general experience. There is no experience substitution for a High School Diploma; however a G.E.D., other degree equivalency program, or a technical trade school certificate is acceptable. With a Bachelor's degree no experience is required. May or may not hold security clearances.

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15-1.8 HSPD-12 Hardware/Software Specialist I

General Summary

Reviews security systems in terms of machine capabilities and man-machine interface. Prepares reports and studies concerning hardware/software.

Principal Duties and Responsibilities

1. Prepares functional requirements and specifications for HSPD-12 hardware/software acquisitions.
2. Ensures that problems have been properly identified and solutions will satisfy the user's requirements.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree. May or may not hold security clearances.

15-1.9 HSPD-12 Help Desk Manager

General Summary

Manages the help desk function and personnel.

Principal Duties and Responsibilities

1. Provides daily supervision and direction to staff who are responsible for phone and in-person support to users in the areas of security, e-mail, directories, standard Windows desktop applications, and applications developed or deployed for HSPD-12 solutions.
2. Serve as the first point-of-contact for troubleshooting hardware/software, PC, and printer problems.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree four (4) years of general experience is required. With a PhD, two (2) years of general experience is required. May or may not hold security clearances.

15-1.10 HSPD-12 Help Desk Specialist

General Summary

Serves as the initial point-of-contact for troubleshooting security hardware/software, PC, and printer problems.

Principal Duties and Responsibilities

1. Provides phone and in-person support to users in the areas of security, e-mail, directories, standard Windows desktop applications, and applications developed for HSPD-12 solutions.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree. May or may not hold security clearances.

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15-1.11 HSPD-12 Information Engineer I

General Summary

Performs as an applications programmer on large-scale database security systems, knowledge of computer equipment, and ability to develop complex software to satisfy integration and Personal Identity Verification (PIV) objectives.

Principal Duties and Responsibilities

1. Analyzes security application software and design specifications for HSPD-12 process activities.
2. Develops block diagrams and logic flow charts.
3. Translates detailed design into application software.
4. Tests, debugs, and refines the application software to produce the required product.
5. Prepares required documentation, including both program-level and user-level documentation.
6. May serve as HSPD-12 Tier 1 support to users and involved with trouble-shooting system operations.
7. Works under general supervision.

Job Specifications

Pursuing a Bachelor's degree or equivalent and one (1) year of general experience. Three (3) years of general experience is equivalent to pursuing a Bachelor's degree. With a Bachelor's degree, no experience is required. May or may not hold security clearances.

15-1.12 HSPD-12 Information Engineer II

General Summary

Works with and third/fourth generation languages in the design and implementation of systems and using database management systems to support Personal Identity Verification (PIV) services and products. Possesses ability to assume increasing responsibilities in information engineering activities. Knowledgeable of applicable standards and provides general technical HSPD-12 support.

Principal Duties and Responsibilities

1. Analyzes and studies complex Personal Identity Verification (PIV) system requirements.
2. Designs software tools and subsystems to support software reuse and domain analyses and manages their implementation.
3. Manages software development and support using formal specifications, data flow diagrams, other accepted design techniques and Computer Aided Software Engineering (CASE) tools.
4. Provides input to estimate software development costs and schedule. Reviews existing programs and assists in making refinements, reducing operating time, and improving current techniques.

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5. May manage, coordinate, or install security system upgrades.
6. May provide HSPD-12 system analysis and integration and oversee system operations.
7. Often assists with monitoring system performance and security and sets up terminal/printer queues.
8. Provides in-service support for proper use of system software, hardware, or applications and provides Tier 1 technical support.
9. Works independently under minimal supervision.

Job Specifications

Bachelor's degree or equivalent and one (1) year of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, no experience is required. May or may not hold security clearances.

15-1.13 HSPD-12 Information Engineer III

General Summary

Performs HSPD-12 systems development, functional and data requirements analysis, Personal Identity Verification (PIV) systems analysis and design, programming, program design, system upgrades and documentation preparation. Implements information engineering projects, systems analysis, design and programming using CASE and IE tools and methods, systems planning, business information planning, and business analysis.

Principal Duties and Responsibilities

1. Applies business process improvement practices to re-engineer methodologies/principles and business process modernization projects. Applies, as appropriate, activity and data modeling, transaction flow analysis, internal control and risk analysis and modern business methods and performance measurement techniques.
2. Assists in establishing standards for information systems procedures.
3. Develops and applies organization-wide Personal Identity Verification (PIV) plans and models for use in designing and building integrated, HSPD-12 database management systems. Constructs logical business improvement opportunities consistent with corporate Information Management guiding principles, cost savings, and open system architecture objectives.
4. Manages planned projects for overall installation of application and network systems. Develops action plans with milestones for system upgrades.
5. Provides technical leadership for HSPD-12 requirements, integration and support of new products, interfaces and performance enhancements. Analyzes and resolves security system software issues.
6. Administers accounts and system access as needed.
7. Assists with the development of training curriculum for customer orientation and use of new Personal Identity Verification (PIV) systems. Also assists with application

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customization through process analysis and workflow development including advising customers of database file & table configuration best practices.

8. Possesses the ability to work independently.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required. May or may not hold security clearances.

15-1.14 HSPD-12 Information Engineer IV

General Experience

Performs HSPD-12 security systems management, development, functional and data requirements analysis, systems analysis and design, programming, program design, and documentation preparation. Manages the implementation of HSPD-12 projects and performs systems analysis, design and programming selecting CASE or IE tools and methods. Utilizes managerial and supervisory skills. Prepares written and oral communications, including giving formal presentations to different audiences.

Principal Duties and Responsibilities

1. Applies an enterprise-wide set of disciplines for the management, planning, analysis, design and construction of Personal Identity Verification (PIV) systems on an enterprise-wide basis or across a major sector of the enterprise.
2. Develops analytical and computational techniques and methodology for problem solutions.
3. Performs enterprise-wide strategic systems planning, business information planning, and HSPD-12 analysis.
4. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated tools;
5. Applies reverse engineering and re-engineering disciplines to develop migration strategic and planning documents.
6. Manages and coordinates planned system and implementation activities including system upgrades, security, and allocation of resources, availability, and in-service training.
7. Manages tasks, priorities and objectives.
8. Responsible for customer support and quality & timeliness of services.
9. Provides daily supervision and direction to staff.

Job Specifications

Bachelor's degree or equivalent and seven (7) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, five (5) years of general experience is required. With a PhD, three (3) years of general experience is required. May or may not hold security clearances.

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15-1.15 HSPD-12 Information Engineer V

General Summary

Performs HSPD-12 security systems management, development, functional and data requirements analysis, systems analysis and design, programming, program design, and documentation preparation. Manages the implementation of Personal Identity Verification (PIV) projects and experience in security systems analysis, design, and programming. Works in the client/server environment. Utilizes managerial and supervisory skills. Prepares written and oral communications skills, including giving formal presentations to different audiences.

Principal Duties and Responsibilities

1. Applies an enterprise-wide set of disciplines for the management, planning, coordination, security analysis, design, and construction of HSPD-12 systems on an enterprise-wide basis or across a major sector of the enterprise.
2. Develops analytical and computational techniques and methodology for problem solutions.
3. Performs enterprise-wide strategic systems planning, business information planning, business and analysis.
4. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated tools.
5. Applies reverse engineering and re-engineering disciplines to develop migration and planning documents.
6. Controls and maintains technical documents.
7. Provides daily supervision and technical guidance in software engineering and system operational techniques and automated support tools to local and remote supporting staff.
8. Advises customers on HSPD-12 best practices.
9. Manages and coordinates planned security system and implementation activities including system upgrades, security, and allocation of resources, availability, and in-service training.
10. Manages tasks, priorities and objectives.
11. Assists in the development and implementation of site policies and procedures.
12. May provide train-the-trainer and ad hoc report writing training and assistance.
13. Responsible for customer support and quality & timeliness of Personal Identity Verification (PIV) services.

Job Specifications

Bachelor's degree or equivalent and nine (9) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, seven (7) years of general experience is required. With a PhD, five (5) years of general experience is required. May or may not hold security clearances.

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15-1.16 HSPD-12 Information Systems Engineer

General Summary

Performs HSPD-12 engineering work requiring systems analysis, design, application of standard techniques, procedures, and criteria in carrying out HSPD-12 tasks. Ability to follow engineering plans as well as installation and configuration guidelines. Requires exercising limited judgment on details of work and in making preliminary selections/adaptations of system engineering alternatives.

Principal Duties and Responsibilities

1. Provide site surveys, assessment and documentation of current network configuration and user requirements.
2. Design and optimize Personal Identity Verification (PIV) services and products.
3. Define product specifications and evaluate technologies and products for implementation and integration within the customer environment.
4. Install and configure new products and develop installation schedules.

Job Specifications

Bachelor's degree in Engineering or related curriculum and three (3) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree. May or may not hold security clearances.

15-1.17 HSPD-12 Jr. Enterprise Consultant

General Summary

Deploys enterprise-wide system management tools. Manages ongoing operations issues and possesses the capability to manage HSPD-12 systems. Has a good understanding of complex, multi-platform HSPD-12 infrastructure operations, processes and tools. Deploy architected solution and ability to solve unanticipated complications in the field.

Principal Duties and Responsibilities

1. Deploy and document enterprise management under the supervision of the project technical lead.
2. Perform integration work for a variety of systems, network and help desk tools.
3. Understand functionality of tools selected for implementation and hardware and software administrative knowledge.
4. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent. With a Bachelor's degree, no experience is required. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree no experience is required. May or may not hold security clearances.

15-1.18 HSPD-12 Jr. Functional Specialist

General Summary

Develops functional requirements relating to complex integrated Personal Identity Verification (PIV) systems.

Principal Duties and Responsibilities

1. Develop and provide skills and disciplines on a variety of HSDP-12 technology issues.
2. Assist the Functional Specialist.
3. Specialized skills include, but are not limited to, information planning, security, communications, systems administrations, quality assurance, video teleconferencing and microcomputer training.

Job Specifications

High School Diploma and five (5) years of experience. May or may not hold security clearances.

15-1.19 HSPD-12 Jr. Systems Analyst

General Summary

Under supervision, supports the installation of HSPD-12 computer operating systems, network, and application software, and computer/network hardware. Provides hotline support to customers. Possesses troubleshooting skills to assist Systems Analysts.

Principal Duties and Responsibilities

1. Performs systems analysis of computer and networking systems.
2. Supports a Systems Analyst, as required.
3. Technically supports the overall integration of all HSPD-12 systems peripherals so that they operate correctly within a predefined environment.
4. Provides hotline support to customers.
5. Develops technical documentation detailing the installation procedures.
6. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required. May or may not hold security clearances.

15-1.20 HSPD-12 Jr. Systems Engineer

General Summary

Under supervision, assists in defining and executing HSPD-12 systems engineering activities within a project. These activities may consist of systems planning, information security planning, performance management, capacity planning, testing and validation, risk assessment,

benchmarking, information engineering, and development and staffing of a systems engineering or security management plan.

Principal Duties and Responsibilities

1. Performs HSPD-12 systems engineering planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, security impact analysis.
2. Development and staffing of a systems engineering or security management plan.
3. Supports a Systems Engineer, as required.
4. Analyzes and develops technical documentation detailing the integration and system performance or information security.
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required. May or may not hold security clearances.

15-1.21 HSPD-12 Network Architecture Engineer I

General Summary

Has knowledge in one or more aspects of HSPD-12 network architectures for Government applications. May possess broad knowledge in network integration, network interoperability, network implementation, telecommunications technologies, or network protocols. Capable of working, with supervision, on specific tasks associated with specific aspects of HSPD-12 projects.

Principal Duties and Responsibilities

1. Provides assistance and performs general technical tasks for HSPD-12 network architecture planning.
2. Provides support for one or more specific areas associated with HSPD-12, interoperability, or integration.
3. Supports the development of technical analyses, white papers, or research for specific technical areas of network architecture.
4. Assists in general analysis on HSPD-12 interoperability topologies, technologies, interfaces, and protocols.
5. May perform other duties as required.

Job Specifications

Bachelor's degree in Electrical/Electronics Engineering, Computer Science, or Information Systems. Eight (8) years' experience in telecommunications network architectures may be substituted for a Bachelor's degree.

15-1.22 HSPD-12 Network Engineer

General Summary

Under supervision performs a variety of network engineering tasks which are broad in nature and are concerned with the design and implementation of integrated HSPD-12 solutions, including personnel, hardware, software and support facilities and/or equipment. Performs with some latitude for unreviewed actions and decisions.

Principal Duties and Responsibilities

1. Plans and performs network engineering research, design development, and other assignments in conformance with network design, engineering and customer specifications.
2. Responsible for the technical/engineering part of a major project or a project of lesser complexity and importance than those normally assigned to a higher level engineer.
3. Coordinates the activities of Network Technicians assigned to specific HSPD-12 projects.
4. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and three (3) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, one (1) year of general experience is required. With a PhD, no experience is required. May or may not hold security clearances.

15-1.23 HSPD-12 Operations Manager

General Summary

Manages HSPD-12 operations. Ensures production schedules are met. Ensures HSPD-12 security system resources are used effectively.

Principal Duties and Responsibilities

1. Coordinates the resolution of production-related problems.
2. Ensures proper relationships are established between customers, teaming partners, and vendors to facilitate the delivery of HSPD-12 services,
3. Supervises staff operations.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required. May or may not hold security clearances.

15-1.24 HSPD-12 Program Manager

General Summary

Directs the performance of a variety of related projects, which may be organized by technology, program, or client. Oversees the technology development and/or application, marketing, and resource allocation to support a Personal Identity Verification (PIV) program. Program areas typically represents more than three functional areas that may include engineering, HSPD-12 systems analysis, quality control, administration, etc.

Principal Duties and Responsibilities

1. Responsible for the effective management of funds and personnel, and is accountable for the quality and timely delivery of all contractual items.
2. Operates within client guidance, contractual limitations, and Company business and policy directives.
3. Serves as focal point-of-contact with client regarding Personal Identity Verification (PIV) program activities.
4. Ensures that all required resources including manpower, production standards, computer time, and facilities are available for program implementation.
5. Manages program consisting of multiple projects including project identification, design, development, and delivery.
6. Maintains the development and execution of business opportunities based on broad, general guidance.
7. Confers with project manager to provide technical advice and to assist with problem resolution.
8. Responsible for marketing new technology and follow-on business acquisitions.
9. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and ten (10) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, eight (8) years of general experience is acceptable. With a PhD, six (6) years of general experience is required. May or may not hold security clearances.

15-1.25 HSPD-12 Programmer Analyst

General Summary

Works under supervision to support the activities of a Sr. Programmer Analyst. Supports the maintenance and operating efficiency of a major subsystem, such as the Personal Identity Verification (PIV), database management systems.

Principal Duties and Responsibilities

1. Support the continual assessment of the performance of appropriate HSPD-12 systems to identify and correct problems which impact operation efficiency and work quality.

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2. Analyzes performance indicators such as system's response time and number of applications being processed to ensure operational efficiency.
3. Designs, codes, install, and maintains appropriate systems software program.
4. Supports the identification, evaluation, customizing and implementation of vendor-supplied software packages for compliance with NIST standards.
5. Supports special system regenerations where applicable to reflect changes in peripheral configuration.
6. Ensures the maintenance of adequate software systems documentation.
7. Trains users in applications programming and other user personnel in the use of systems software and related hardware.
8. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required. May or may not hold security clearances.

15-1.26 HSPD-12 Project Control Specialist

General Summary

Oversees financial management and administrative activities, such as budgeting, manpower resource planning, and financial reporting.

Principal Duties and Responsibilities

1. Performs complex evaluations of existing procedures, processes, techniques, models, and/or systems related to management problems or contractual issues, which would require a report and recommend solutions.
2. Develops work breakdown structures, prepare charts, tables, graphs, and diagrams to assist in analyzing problems.
3. Provides daily supervision and direction to staff.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree. May or may not hold security clearances.

15-1.27 HSPD-12 Quality Assurance Analyst

General Summary

Establishes and maintains a process for evaluating HSPD-12 systems and associated documentation. Determines the resources required for quality control. Maintains the level of quality throughout the project life cycle.

Principal Duties and Responsibilities

1. Conducts formal and informal reviews at pre-determined points throughout the development life cycle.

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2. Provides technical and administrative direction for personnel performing systems 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.
3. Coordinates with the Project Manager to ensure problem solution and user satisfaction.
4. Makes recommendations, if needed, for approval of major HSPD-12 systems installations.
5. Prepares milestone status reports and deliveries/presentations on the system concept to colleagues, subordinates, and end user representatives.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, no experience is required. May or may not hold security clearances.

15-1.28 HSPD-12 Sr. Enterprise Consultant

General Summary

Technical subject matter expert for enterprise-wide HSPD-12 system management tools and operations. Broad understanding of complex, multi-platform HSPD-12 infrastructure operations, hardware, software, processes and tools. Develops detailed design documents for Personal Identity Verification (PIV) products. Architect solutions for systems management tools and oversees project implementation.

Principal Duties and Responsibilities

1. Design and document enterprise management solutions for complex heterogeneous security environments.
2. Architect solutions that integrate systems, network and help desk tools into an integrated HSPD-12 solution.
3. Provide hardware and software tool selection analysis and recommendations.
4. Manages technical teams with diverse areas of specialization to implement multiple software management tools either sequentially or in parallel.
5. Confers with project manager to provide technical advice and to assist with problem resolution.
6. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and twelve (12) years of general experience Six (6) years of general experience are equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is acceptable. With a PhD, four (4) years of general experience is required. May or may not hold security clearances.

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15-1.29 HSPD-12 Sr. Information Systems Engineer

General Summary

Conduct HSPD-12 work requiring judgment in the evaluation, selection, adaptation and/or modification of standard techniques, procedures and criteria. Develop new approaches to problem solving. Independently performs HSPD-12 assignments with instructions as to the general results expected. Receives technical guidance on unusual or complex problems and supervisor approval for all projects. May supervise other engineers or technicians on assigned work.

Principal Duties and Responsibilities

1. Implement engineering principles, techniques and processes.
2. Determine NIST compliant product specifications and evaluate technologies for implementation and integration within the HSPD-12 environment.
3. Document the results of complex analysis and design tasks.
4. Design moderate to complex systems; assist in developing standards and techniques.
5. Formulate and document alternative methodologies for achieving customer objectives. Also defines system architectures and infrastructures to provide required functionality.

Job Specifications

Bachelor's degree in Engineering or a related curriculum and ten (10) years of experience. Five (5) years of specific job related experience or eight (8) years of general experience may be substituted for a Bachelor's degree. May or may not hold security clearances.

15-1.30 HSPD-12 Sr. Network Engineer

General Summary

Performs a variety of HSPD-12 tasks, either independently or under supervision, which is broad in nature and is concerned with the design and implementation of integrated networks, including personnel, hardware, software, and support facilities and/or equipment. Supervises team of Network Engineers through project completion.

Principal Duties and Responsibilities

1. Plans and performs network engineering research, design development, and other assignments in conformance with network design, engineering and customer specifications.
2. Supervises team of Network Engineers through project completion.
3. Responsible for major HSPD-12 technical/engineering projects of higher complexity and importance than those normally assigned to lower level engineers.
4. Coordinates the activities of Network Engineers and Network Technicians assigned to specific network engineering projects.
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree,

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four (4) years of general experience is required. With a PhD, two (2) years of general experience is required. May or may not hold security clearances.

15-1.31 HSPD-12 Sr. Program Manager

General Summary

Directs the performance of a variety of highly technical projects which may be organized by technology, program or client. Oversees the technology development and/or application, marketing, and resource allocation within program client base. Program areas typically include HSPD-12, engineering, integration, test, systems analysis, quality assurance, etc.

Principal Duties and Responsibilities:

1. Responsible for the effective management of funds and personnel, and is accountable for the quality and timely delivery of all contractual items.
2. Operates within client guidance, contractual limitations, and Company business and policy directives.
3. Serves as focal point of contact with client regarding program activities.
4. Ensures that all required resources are available for program implementation.
5. Maintains the development and execution of business opportunities based on broad, general guidance.
6. Confers with project manager to provide technical advice and to assist with problem resolution.
7. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and fifteen (15) years of general experience. Six (6) years of general experience is equivalent to a Bachelor's degree. With a Master's degree, thirteen (13) years of general experience is acceptable. With a PhD, eleven (11) years of general experience is required. May or may not hold security clearances.

15-1.32 HSPD-12 Sr. Programmer Analyst

General Summary

Works independently, with management review of end results. Has prime accountability for the maintenance and operating efficiency of a major Personal Identity Verification (PIV) system.

Principal Duties and Responsibilities

1. Continually assess the performance of appropriate software systems to identify and correct problems which impact operation efficiency and work quality.
2. Maintains active liaison with user personnel to ensure continuing responsiveness of applicable system software user requirements.
3. Analyzes performance indicators such as system's response time and number of programs being processed to ensure operational efficiency.
4. Designs, codes, installs, and maintains appropriate systems software program.

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5. Identifies, evaluates, tailors, and directs the implementation of vendor-supplied software packages for NIST compliance and system compatibility.
6. Performs special system regenerations where applicable to reflect changes in peripheral configuration.
7. Ensures the maintenance of adequate HSPD-12 systems documentation.
8. Recommends to management the purchase or lease of system software packages and related HSPD-12 hardware.
9. Provides technical assistance to less experienced systems software personnel in the resolution of complex system-related problems.
10. Trains users in applications programming and other user personnel in the use of systems software and related hardware.
11. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, four (4) years of general experience is required. With a PhD, two (2) years of general experience is required. May or may not hold security clearances.

15-1.33 HSPD-12 Sr. Software Engineer

General Summary

Under general supervision, engineer's software solutions based upon client requirements. Generally, has one or more Software Engineers on staff and heads up projects that make use of commercially available or custom Computer Aided Software Engineering (CASE) tools as required.

Principal Duties and Responsibilities

1. Engineer's software solutions based upon client requirements.
2. Supervises a staff of Software Engineers as required.
3. Manages projects that make use of commercially-available or custom CASE tools as required.
4. Develops technical documentation detailing the HSPD-12 project design parameters.
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is required. With a PhD, four (4) years of general experience is required. May or may not hold security clearances.

15-1.34 HSPD-12 Sr. Systems Analyst

General Summary

Acts as a lead in performing systems analysis of HSPD-12 systems. Oversees the overall installation of computer operating systems, network, and application software. Has ability to adapt to new situations and environments. Possesses keen troubleshooting skills to assist other Sr. Systems Analysts and Program Managers regarding HSPD-12.

Principal Duties and Responsibilities

1. Performs systems analysis of computer and networking systems.
2. Supports other Sr. Systems Analysts and Program Managers, as required.
3. Oversees the overall integration of all systems peripherals so that they can operate correctly within a predefined HSPD-12 environment.
4. Oversees hotline support to customers.
5. Analyzes and develops HSPD-12 technical documentation detailing the installation procedures.
6. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is acceptable. With a PhD, four (4) years of general experience is required. May or may not hold security clearances.

15-1.35 HSPD-12 Sr. Systems Engineer

General Summary

Acts as a lead in defining and executing HSPD-12 systems engineering activities within a project. These activities may consist of HSPD-12 systems planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, and development and staffing of a systems engineering or security management plan.

Principal Duties and Responsibilities

1. Performs HSPD-12 systems engineering planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, security impact analysis.
2. Development and staffing of a HSPD-12 systems engineering or security management plan.
3. Supports other Sr. Systems Engineers and Program Managers, as required.
4. Analyzes and develops technical documentation detailing the integration and system performance.
5. Coordinates the activities of Systems Engineers and Jr. Systems Engineers assigned to specific systems engineering projects.

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6. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, six (6) years of general experience is required. With a PhD, four (4) years of general experience is required. May or may not hold security clearances.

15-1.36 HSPD-12 Sr. System Integration Engineer

General Summary

Acts as a lead in defining and executing integration engineering activities within a HSPD-12 project. These activities may consist of concept exploration and assessment, systems integration, systems of systems integration, performance management, technology assessment, testing and validation, and development and staffing of a systems integration plan.

Principal Duties and Responsibilities:

1. Performs concept exploration and assessment, HSPD-12 systems integration, systems of systems integration, performance management, technology assessment, testing and validation.
2. Development and staffing of a HSPD-12 systems integration management plan.
3. Supports other Engineers and Program Managers, as required.
4. Analyzes and develops technical documentation detailing the integration and system performance.
5. Coordinates the activities of system integration engineers assigned to specific systems integration projects.
6. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and twelve (12) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, ten (10) years of general experience is required. With a PhD, eight (8) years of general experience is required. May or may not hold security clearances.

15-1.37 HSPD-12 Sr. Trainer

General Summary

Identifies, develops, implements, and conducts HSPD-12 training and instruction of technical-based subject matter related to computer hardware/software, communications, local and wide area networking, Internet, video, imaging, business processes, Government regulations, procurement/acquisition, strategic planning, etc., as required for a particular situation.

Principal Duties and Responsibilities

1. Designs, develops, prepares and refines HSPD-12 training curriculum and course materials for various classroom and other instructional environments.

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2. Possesses skills and knowledge in computer-based and multimedia training environments.
3. Conducts HSPD-12 training requirements surveys, designs computer-based and multimedia curriculum in response to specific system training requirements during the life cycle.
4. Is intimately knowledgeable in the HSPD-12 subject matters for which he/she is developing curriculum.
5. Supervises HSPD-12 Training Specialists in the instruction of individual trainees as well as whole classes of students in a variety of technical-based subject matter.
6. Collaborates, when necessary, with outside entities.

Job Specifications

Bachelor's degree or equivalent and six (6) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, four (4) years of general experience is required. With a PhD, two (2) years of general experience is required.

15-1.38 HSPD-12 Software Engineer

General Summary

Under general supervision, engineers HSPD-12 solutions based upon client requirements. Generally reports to a Sr. Software Engineer and makes use of commercially-available or custom Computer Aided Software Engineering (CASE) tools as required.

Principal Duties and Responsibilities

1. Engineer's software solutions based upon client requirements.
2. Supports a Sr. Software Engineer as required.
3. Uses commercially-available or custom CASE tools as required.
4. Develops technical documentation detailing the project design parameters.
5. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required. May or may not hold security clearances.

15-1.39 HSPD-12 Subject Matter Expert

General Summary

Expert in single or multiple technical disciplines. Provides Expert guidance and insight into specific technologies and their application to Personal Identity Verification (PIV) and independently performs a variety of HSPD-12 system design and HSPD-12 integration tasks where a specific subject matter expertise is necessary.

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Principal Duties and Responsibilities

1. Plans and performs research, design assessment, development, integration and other assignments in a specific HSPD-12 technical area.
2. Supervises broad team of systems engineers.
3. Responsible for highly complex technical/engineering areas.
4. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and seventeen (17) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, fifteen (15) years of general experience is required. With a PhD, thirteen (13) year of general experience is required. May or may not hold security clearances.

15-1.40 HSPD-12 Systems Administrator

General Summary

Supervises and manages the daily activities of configuration and operation of business systems which may be mainframe, mini, or client/server based.

Principal Duties and Responsibilities

1. Optimizes system operation and resource utilization, and performs HSPD-12 system capacity analysis and planning.
2. Provides assistance to users in accessing and using business systems.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree no experience is required. May or may not hold security clearances.

15-1.41 HSPD-12 Systems Analyst

General Summary

Under general supervision, performs HSPD-12 systems analysis of computer and communications/network systems. Performs systems installation of computer operating systems, network, and applications software, and computer/network hardware. Provides hotline support to customers. Has ability to adapt to new situations and environments. Possesses keen troubleshooting skills to assist Sr. Systems Analysts.

Principal Duties and Responsibilities

1. Performs systems analysis of computer and networking systems.
2. Supports a Sr. Systems Analyst, as required.
3. Provides overall integration of all HSPD-12 systems peripherals so that they operate correctly within a predefined environment.
4. Provides hotline support to customers.

5. Develops technical documentation detailing the installation procedures.
6. May perform other duties, as assigned.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is acceptable. With a PhD, one (1) year of general experience is required. May or may not hold security clearances.

15-1.42 HSPD-12 Systems Architect

General Summary

Senior scientist who independently performs a variety of HSPD-12 system design and engineering tasks which are broad in nature and are concerned with design and implementation of major HSPD-12 systems development and integration, including supporting personnel, hardware, software, and support facilities and/or equipment. Supervises team of Sr. Systems Engineers, Network Engineers, Sr. Network Engineers, and Network Engineers through project completion and is considered a Subject Matter Expert (SME) in one or more specific areas of Personal Identity Verification (PIV).

Principal Duties and Responsibilities

1. Plans and performs HSPD-12 systems and networking engineering research, design development, and other assignments in conformance with system and network design, engineering, and customer specifications.
2. Supervises team of Sr. Systems Engineers, Systems Engineers, Sr. Network Engineers, and Network Engineers.
3. Responsible for highly complex HSPD-12 technical/engineering projects.
4. Coordinates the activities of Sr. Systems Engineers, Systems Engineers, Sr. Network Engineers, and Network Engineers assigned to specific system and network engineering projects.
5. Is the lead technical authority on the project.
6. May perform other duties, as assigned.

Job Specifications

Master's degree or equivalent and ten (10) years of general experience. A Bachelor's degree and nine (9) years of general experience is equivalent to a Master's degree or a High School Diploma (or equivalent) and fifteen (15) years of general experience is considered equivalent to a Master's degree. With a Doctorate, eight (8) years of general experience is acceptable. May or may not hold security clearances.

15-1.43 HSPD-12 Systems Engineer

General Summary

Under general supervision, defines and executes HSPD-12 systems engineering activities within a project. These activities may consist of HSPD-12 systems planning, information security planning, performance management, capacity planning, testing and validation, risk

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assessment, benchmarking, information engineering, and development and staffing of a systems engineering or security management plan.

Principal Duties and Responsibilities

1. Performs HSPD-12 systems engineering planning, information security planning, performance management, capacity planning, testing and validation, risk assessment, benchmarking, information engineering, security impact analysis.
2. Development and staffing of a HSPD-12 systems engineering or security management plan.
3. Supports a Sr. Systems Engineer, as required.
4. Analyzes and develops HSPD-12 technical documentation detailing the integration and system performance or information security.
5. Coordinates the activities of Systems Engineers and Jr. Systems Engineers assigned to specific systems engineering projects.
6. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and five (5) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree, three (3) years of general experience is required. With a PhD, one (1) year of general experience is required. May or may not hold security clearances.

15-1.44 HSPD-12 Systems Integration Engineer

General Summary

Under general supervision, defines and executes integration engineering activities within a project. These activities may consist of concept exploration and assessment, systems integration, systems of systems integration, performance management, technology assessment, testing and validation, and development and staffing of a HSPD-12 systems integration plan.

Principal Duties and Responsibilities

1. Performs concept exploration and assessment, systems integration, systems of systems integration, performance management, technology assessment, testing and validation.
2. Supports a Sr. System Integration Engineer, as required.
3. Analyzes and develops HSPD-12 technical documentation detailing the integration and system performance.
4. May perform other duties as assigned.

Job Specifications

Bachelor's degree or equivalent and eight (8) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree,

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six (6) years of general experience is required. With a PhD, four (4) years of general experience is required. May or may not hold security clearances.

15-1.45 HSPD-12 Systems Operator

General Summary

Monitors and supports HSPD-12 systems and or subsystems.

Principal Duties and Responsibilities

1. Coordinates input, output, and final ID card production.
2. Distributes output and controls system operation which may be mainframe, mini, or client/server based solutions.

Job Specifications

High School Diploma and two (2) years of general experience. There is no experience substitution for a High School Diploma; however a G.E.D., other degree equivalency program, or a technical trade school certificate is acceptable. With a Bachelor's degree no experience is required. May or may not hold security clearances.

15-1.46 HSPD-12 Technical Writer/Editor

General Summary

Assists in collecting and organizing information required for preparation of HSPD-12 user's manuals, HSPD-12 training materials, HSPD-12 installation guides, HSPD-12 proposals, and other HSPD-12 reports and deliverables. May have experience in Information Security.

Principal Duties and Responsibilities

1. Edits functional descriptions, system specifications, user's manuals, special reports, or any other customer deliverables and documents or information security related documents.

Job Specifications

Bachelor's degree or equivalent. Six (6) years of general experience is considered equivalent to a Bachelor's degree. May or may not hold security clearances.

15-1.47 HSPD-12 Training Specialist

General Summary

Conducts the research necessary to develop and revise HSPD-12 training courses.

Principal Duties and Responsibilities

1. Develops and revises these HSPD-12 courses and prepares appropriate HSPD-12 training catalogs.
2. Prepares instructor materials (course outline, background material, and training aids).
3. Prepares student materials (course manuals, workbooks, handouts, completion certificates, and course critique forms).

4. Trains personnel by conducting formal HSPD-12 classroom courses, workshops and seminars.

Job Specifications

Bachelor's degree or equivalent and two (2) years of general experience. Six (6) years of general experience is considered equivalent to a Bachelor's degree. With a Master's degree no experience is required. May or may not hold security clearances.

**15-2-0 HOMELAND SECURITY PRESIDENTIAL DIRECTIVE 12 (HSPD-12)
SERVICES PRICE LIST (SIN 541519PIV)**

15-2.1 Leidos/On-Site Rates

All rates include GSA IFF (.75%)

SIN 541519PIV PROFESSIONAL SERVICES PRICE LIST

GS -35F-116AA	5-YEAR OPTION PERIOD 1 - 12/13/2017 through 12/12/2022				
	Contract Year 6	Contract Year 7	Contract Year 8	Contract Year 9	Contract Year 10
LEIDOS CONTRACTOR / ON-SITE RATES All Rates Include GSA IFF (.75%)	12/13/2017 through 12/12/2018	12/13/2018 through 12/12/2019	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
Administrative Support	\$ 68.28	\$ 69.92	\$ 71.60	\$ 73.32	\$ 75.08
Computer Operator	\$ 81.56	\$ 83.52	\$ 85.52	\$ 87.57	\$ 89.67
Computer System/Network Engineer	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Cost Analyst	\$ 85.34	\$ 87.39	\$ 89.49	\$ 91.64	\$ 93.84
Data Entry/Analyst I	\$ 66.45	\$ 68.04	\$ 69.67	\$ 71.34	\$ 73.05
Data Entry/Analyst II	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Data Entry/Analyst III	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Data Warehouse Specialist I	\$ 85.34	\$ 87.39	\$ 89.49	\$ 91.64	\$ 93.84
Data Warehouse Specialist II	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Data Warehouse Specialist III	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Data Warehouse Specialist IV	\$ 138.72	\$ 142.05	\$ 145.46	\$ 148.95	\$ 152.52
Data Warehouse Specialist V	\$ 157.86	\$ 161.65	\$ 165.53	\$ 169.50	\$ 173.57
Draftsman	\$ 62.83	\$ 64.34	\$ 65.88	\$ 67.46	\$ 69.08
Enterprise Consultant	\$ 195.18	\$ 199.86	\$ 204.66	\$ 209.57	\$ 214.60
ERP Consultant I	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
ERP Consultant II	\$ 101.07	\$ 103.50	\$ 105.98	\$ 108.52	\$ 111.12
ERP Consultant III	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Functional Analyst	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Functional Specialist	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Hardware/Software Installation Technician	\$ 69.66	\$ 71.33	\$ 73.04	\$ 74.79	\$ 76.58
Hardware/Software Specialist I	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Hardware/Software Specialist II	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Hardware/Software Specialist III	\$ 157.53	\$ 161.31	\$ 165.18	\$ 169.14	\$ 173.20
Help Desk Manager	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Help Desk Specialist	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Information Engineer I	\$ 69.66	\$ 71.33	\$ 73.04	\$ 74.79	\$ 76.58
Information Engineer II	\$ 91.22	\$ 93.41	\$ 95.65	\$ 97.95	\$ 100.30

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Information Engineer III	\$ 138.72	\$ 142.05	\$ 145.46	\$ 148.95	\$ 152.52
Information Engineer IV	\$ 184.64	\$ 189.07	\$ 193.61	\$ 198.26	\$ 203.02
Information Engineer V	\$ 213.22	\$ 218.34	\$ 223.58	\$ 228.95	\$ 234.44
Internet/Intranet Specialist I	\$ 77.63	\$ 79.49	\$ 81.40	\$ 83.35	\$ 85.35
Internet/Intranet Specialist II	\$ 81.36	\$ 83.31	\$ 85.31	\$ 87.36	\$ 89.46
Internet/Intranet Specialist III	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Information Systems Engineer	\$ 95.75	\$ 98.05	\$ 100.40	\$ 102.81	\$ 105.28
Jr. Enterprise Consultant	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Jr. Functional Specialist	\$ 77.63	\$ 79.49	\$ 81.40	\$ 83.35	\$ 85.35
Jr. Systems Analyst	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Jr. Systems Engineer	\$ 95.75	\$ 98.05	\$ 100.40	\$ 102.81	\$ 105.28
Network Architecture Engineer I	\$ 91.22	\$ 93.41	\$ 95.65	\$ 97.95	\$ 100.30
Network Architecture Engineer II	\$ 110.50	\$ 113.15	\$ 115.87	\$ 118.65	\$ 121.50
Network Engineer	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56
Network Management Engineer I	\$ 110.50	\$ 113.15	\$ 115.87	\$ 118.65	\$ 121.50
Network Management Engineer II	\$ 128.33	\$ 131.41	\$ 134.56	\$ 137.79	\$ 141.10
Network Management Engineer III	\$ 231.26	\$ 236.81	\$ 242.49	\$ 248.31	\$ 254.27
Network Management Engineer IV	\$ 231.26	\$ 236.81	\$ 242.49	\$ 248.31	\$ 254.27
Sr Network Technician	\$ 117.52	\$ 120.34	\$ 123.23	\$ 126.19	\$ 129.22
Operations Manager	\$ 122.24	\$ 125.17	\$ 128.17	\$ 131.25	\$ 134.40
Production Control Specialist	\$ 69.66	\$ 71.33	\$ 73.04	\$ 74.79	\$ 76.58
Program Manager	\$ 209.28	\$ 214.30	\$ 219.44	\$ 224.71	\$ 230.10
Programmer Analyst	\$ 85.34	\$ 87.39	\$ 89.49	\$ 91.64	\$ 93.84
Project Control Specialist	\$ 90.63	\$ 92.81	\$ 95.04	\$ 97.32	\$ 99.66
Quality Assurance Analyst	\$ 95.75	\$ 98.05	\$ 100.40	\$ 102.81	\$ 105.28
Sr. Enterprise Consultant	\$ 231.26	\$ 236.81	\$ 242.49	\$ 248.31	\$ 254.27
Sr. Information Systems Engineer	\$ 160.49	\$ 164.34	\$ 168.28	\$ 172.32	\$ 176.46
Sr. Network Engineer	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Sr. Network Operations Analyst/Technician	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Sr. Operator Systems Software Analyst/Programmer	\$ 125.72	\$ 128.74	\$ 131.83	\$ 134.99	\$ 138.23
Sr. Program Manager	\$ 240.56	\$ 246.33	\$ 252.24	\$ 258.29	\$ 264.49
Sr. Programmer Analyst	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Sr. Software Engineer	\$ 141.48	\$ 144.88	\$ 148.36	\$ 151.92	\$ 155.57
Sr. Systems Analyst	\$ 166.94	\$ 170.95	\$ 175.05	\$ 179.25	\$ 183.55
Sr. Systems Engineer	\$ 160.49	\$ 164.34	\$ 168.28	\$ 172.32	\$ 176.46
Sr. Systems Integration Engineer	\$ 187.83	\$ 192.34	\$ 196.96	\$ 201.69	\$ 206.53
Sr. Trainer	\$ 100.73	\$ 103.15	\$ 105.63	\$ 108.17	\$ 110.77
Software Engineer	\$ 117.52	\$ 120.34	\$ 123.23	\$ 126.19	\$ 129.22
Subject Matter Expert	\$ 243.86	\$ 249.71	\$ 255.70	\$ 261.84	\$ 268.12
Systems Administrator	\$ 99.64	\$ 102.03	\$ 104.48	\$ 106.99	\$ 109.56

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Sr Systems Administrator	\$ 136.71	\$ 139.99	\$ 143.35	\$ 146.79	\$ 150.31
Systems Analyst	\$ 119.92	\$ 122.80	\$ 125.75	\$ 128.77	\$ 131.86
Systems Architect	\$ 201.83	\$ 206.67	\$ 211.63	\$ 216.71	\$ 221.91
Systems Engineer	\$ 126.57	\$ 129.61	\$ 132.72	\$ 135.91	\$ 139.17
Systems Integration Architect	\$ 243.86	\$ 249.71	\$ 255.70	\$ 261.84	\$ 268.12
Systems Integration Engineer	\$ 151.38	\$ 155.01	\$ 158.73	\$ 162.54	\$ 166.44
Systems Operator	\$ 51.38	\$ 52.61	\$ 53.87	\$ 55.16	\$ 56.48
Technical Writer/Editor	\$ 86.63	\$ 88.71	\$ 90.84	\$ 93.02	\$ 95.25
Training Specialist	\$ 83.11	\$ 85.10	\$ 87.14	\$ 89.23	\$ 91.37
Webmaster	\$ 69.19	\$ 70.85	\$ 72.55	\$ 74.29	\$ 76.07
HS = High School BD = Bachelor's Degree MA = Master's Degree equiv = equivalent					
* The price reduction offered to GSA shall not apply to task orders issued and outstanding quotes submitted prior to the effective date of the resulting modification. Additionally, price reductions shall not apply for any Contract Options or Option Years within existing task orders and/or quotes submitted prior to the effective date of the resulting modification.					

15-2.2 Customer/Off-Site Rates

All rates include GSA IFF (.75%)

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GS -35F-116AA	5-YEAR OPTION PERIOD 1 - 12/13/2017 through 12/12/2022				
	Contract Year 6	Contract Year 7	Contract Year 8	Contract Year 9	Contract Year 10
GOVERNMENT / OFF-SITE RATES All Rates Include GSA IFF (.75%)	12/13/2017 through 12/12/2018	12/13/2018 through 12/12/2019	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
Administrative Support	\$ 53.98	\$ 55.28	\$ 56.61	\$ 57.97	\$ 59.36
Computer Operator	\$ 64.47	\$ 66.02	\$ 67.60	\$ 69.22	\$ 70.88
Computer System/Network Engineer	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82
Cost Analyst	\$ 66.95	\$ 68.56	\$ 70.21	\$ 71.90	\$ 73.63
Data Entry/Analyst I	\$ 52.53	\$ 53.79	\$ 55.08	\$ 56.40	\$ 57.75
Data Entry/Analyst II	\$ 64.31	\$ 65.85	\$ 67.43	\$ 69.05	\$ 70.71
Data Entry/Analyst III	\$ 78.17	\$ 80.05	\$ 81.97	\$ 83.94	\$ 85.95
Data Warehouse Specialist I	\$ 66.95	\$ 68.56	\$ 70.21	\$ 71.90	\$ 73.63
Data Warehouse Specialist II	\$ 78.17	\$ 80.05	\$ 81.97	\$ 83.94	\$ 85.95
Data Warehouse Specialist III	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Data Warehouse Specialist IV	\$ 109.68	\$ 112.31	\$ 115.01	\$ 117.77	\$ 120.60
Data Warehouse Specialist V	\$ 123.83	\$ 126.80	\$ 129.84	\$ 132.96	\$ 136.15
Draftsman	\$ 49.52	\$ 50.71	\$ 51.93	\$ 53.18	\$ 54.46
Enterprise Consultant	\$ 154.30	\$ 158.00	\$ 161.79	\$ 165.67	\$ 169.65
ERP Consultant I	\$ 64.31	\$ 65.85	\$ 67.43	\$ 69.05	\$ 70.71

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ERP Consultant II	\$ 79.90	\$ 81.82	\$ 83.78	\$ 85.79	\$ 87.85
ERP Consultant III	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Functional Analyst	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Functional Specialist	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82
Hardware/Software Installation Technician	\$ 55.06	\$ 56.38	\$ 57.73	\$ 59.12	\$ 60.54
Hardware/Software Specialist I	\$ 64.31	\$ 65.85	\$ 67.43	\$ 69.05	\$ 70.71
Hardware/Software Specialist II	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Hardware/Software Specialist III	\$ 124.54	\$ 127.53	\$ 130.59	\$ 133.72	\$ 136.93
Help Desk Manager	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82
Help Desk Specialist	\$ 64.31	\$ 65.85	\$ 67.43	\$ 69.05	\$ 70.71
Information Engineer I	\$ 55.06	\$ 56.38	\$ 57.73	\$ 59.12	\$ 60.54
Information Engineer II	\$ 72.11	\$ 73.84	\$ 75.61	\$ 77.42	\$ 79.28
Information Engineer III	\$ 109.52	\$ 112.15	\$ 114.84	\$ 117.60	\$ 120.42
Information Engineer IV	\$ 144.87	\$ 148.35	\$ 151.91	\$ 155.56	\$ 159.29
Information Engineer V	\$ 168.56	\$ 172.61	\$ 176.75	\$ 180.99	\$ 185.33
Internet/Intranet Specialist I	\$ 61.37	\$ 62.84	\$ 64.35	\$ 65.89	\$ 67.47
Internet/Intranet Specialist II	\$ 64.31	\$ 65.85	\$ 67.43	\$ 69.05	\$ 70.71
Internet/Intranet Specialist III	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Information Systems Engineer	\$ 75.69	\$ 77.51	\$ 79.37	\$ 81.27	\$ 83.22
Jr. Enterprise Consultant	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Jr. Functional Specialist	\$ 61.37	\$ 62.84	\$ 64.35	\$ 65.89	\$ 67.47
Jr. Systems Analyst	\$ 78.17	\$ 80.05	\$ 81.97	\$ 83.94	\$ 85.95
Jr. Systems Engineer	\$ 75.69	\$ 77.51	\$ 79.37	\$ 81.27	\$ 83.22
Network Architecture Engineer I	\$ 72.11	\$ 73.84	\$ 75.61	\$ 77.42	\$ 79.28
Network Architecture Engineer II	\$ 87.36	\$ 89.46	\$ 91.61	\$ 93.81	\$ 96.06
Network Engineer	\$ 78.17	\$ 80.05	\$ 81.97	\$ 83.94	\$ 85.95
Network Management Engineer I	\$ 87.36	\$ 89.46	\$ 91.61	\$ 93.81	\$ 96.06
Network Management Engineer II	\$ 101.45	\$ 103.88	\$ 106.37	\$ 108.92	\$ 111.53
Network Management Engineer III	\$ 182.56	\$ 186.94	\$ 191.43	\$ 196.02	\$ 200.72
Network Management Engineer IV	\$ 182.82	\$ 187.21	\$ 191.70	\$ 196.30	\$ 201.01
Sr Network Technician	\$ 92.22	\$ 94.43	\$ 96.70	\$ 99.02	\$ 101.40
Operations Manager	\$ 95.90	\$ 98.20	\$ 100.56	\$ 102.97	\$ 105.44
Production Control Specialist	\$ 55.06	\$ 56.38	\$ 57.73	\$ 59.12	\$ 60.54
Program Manager	\$ 165.45	\$ 169.42	\$ 173.49	\$ 177.65	\$ 181.91
Programmer Analyst	\$ 66.95	\$ 68.56	\$ 70.21	\$ 71.90	\$ 73.63
Project Control Specialist	\$ 71.64	\$ 73.36	\$ 75.12	\$ 76.92	\$ 78.77
Quality Assurance Analyst	\$ 75.69	\$ 77.51	\$ 79.37	\$ 81.27	\$ 83.22
Sr. Enterprise Consultant	\$ 182.82	\$ 187.21	\$ 191.70	\$ 196.30	\$ 201.01
Sr. Information Systems Engineer	\$ 126.88	\$ 129.93	\$ 133.05	\$ 136.24	\$ 139.51
Sr. Network Engineer	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82

**15-2-0 HOMELAND SECURITY PRESIDENTIAL DIRECTIVE 12 (HSPD-12)
SERVICES PRICE LIST (SIN 541519PIV)**

Sr. Network Operations Analyst/Technician	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82
Sr. Operator Systems Software Analyst/Programmer	\$ 99.39	\$ 101.78	\$ 104.22	\$ 106.72	\$ 109.28
Sr. Program Manager	\$ 190.18	\$ 194.74	\$ 199.41	\$ 204.20	\$ 209.10
Sr. Programmer Analyst	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Sr. Software Engineer	\$ 111.00	\$ 113.66	\$ 116.39	\$ 119.18	\$ 122.04
Sr. Systems Analyst	\$ 131.98	\$ 135.15	\$ 138.39	\$ 141.71	\$ 145.11
Sr. Systems Engineer	\$ 126.88	\$ 129.93	\$ 133.05	\$ 136.24	\$ 139.51
Sr. Systems Integration Engineer	\$ 148.50	\$ 152.06	\$ 155.71	\$ 159.45	\$ 163.28
Sr. Trainer	\$ 79.63	\$ 81.54	\$ 83.50	\$ 85.50	\$ 87.55
Software Engineer	\$ 92.22	\$ 94.43	\$ 96.70	\$ 99.02	\$ 101.40
Subject Matter Expert	\$ 192.79	\$ 197.42	\$ 202.16	\$ 207.01	\$ 211.98
Systems Administrator	\$ 78.17	\$ 80.05	\$ 81.97	\$ 83.94	\$ 85.95
Sr Systems Administrator	\$ 108.07	\$ 110.66	\$ 113.32	\$ 116.04	\$ 118.82
Systems Analyst	\$ 94.81	\$ 97.09	\$ 99.42	\$ 101.81	\$ 104.25
Systems Architect	\$ 159.57	\$ 163.40	\$ 167.32	\$ 171.34	\$ 175.45
Systems Engineer	\$ 100.06	\$ 102.46	\$ 104.92	\$ 107.44	\$ 110.02
Systems Integration Architect	\$ 192.79	\$ 197.42	\$ 202.16	\$ 207.01	\$ 211.98
Systems Integration Engineer	\$ 119.68	\$ 122.55	\$ 125.49	\$ 128.50	\$ 131.58
Systems Operator	\$ 40.31	\$ 41.28	\$ 42.27	\$ 43.28	\$ 44.32
Technical Writer/Editor	\$ 68.49	\$ 70.13	\$ 71.81	\$ 73.53	\$ 75.29
Training Specialist	\$ 65.22	\$ 66.79	\$ 68.39	\$ 70.03	\$ 71.71
Webmaster	\$ 55.31	\$ 56.64	\$ 58.00	\$ 59.39	\$ 60.82
HS = High School BD = Bachelor's Degree MA = Master's Degree equiv = equivalent					
* The price reduction offered to GSA shall not apply to task orders issued and outstanding quotes submitted prior to the effective date of the resulting modification. Additionally, price reductions shall not apply for any Contract Options or Option Years within existing task orders and/or quotes submitted prior to the effective date of the resulting modification.					

16.0 TERMS AND CONDITIONS APPLICABLE TO ANCILLARY SUPPLIES AND/OR SERVICES (SIN ANCILLARY)

Non-professional labor categories must be incidental to, and used solely to support professional services, and cannot be offered or purchased separately. Further, non-professional labor categories shall be offered under SIN ANCILLARY only and must be offered in conjunction with professional service SINS.

The Service Contract Labor Standards (SCLS) may be applicable to services offered under SIN ANCILLARY. The following language shall be included at the end or beginning of each detailed position description. "Non-professional labor categories must be incidental to, and used solely to support professional services, and cannot be purchased separately.

Ancillary supplies and/or services are support supplies and services which are not within the scope of any other SIN under schedule 70.

Note: Commercially available products under this solicitation may be covered by the Energy Star or Electronic Product Environmental Assessment Tool (EPEAT) programs. For applicable products, offerors are encouraged to offer Energy Star-qualified products and EPEAT-registered products, at the Bronze level or higher. If offerors opt to offer Energy Star or Electronic Product Environmental Assessment Tool (EPEAT) products then they shall identify by model which products offered are Energy Star-qualified and EPEAT-registered, broken out by registration level of bronze, silver, or gold. Visit the [Green Procurement Compilation,
sftool.gov/green procurement](https://www.gsa.gov/greenprocurement) for a complete list of products covered by these programs.

16-1.0 ANCILLARY SUPPLIES AND/OR SERVICES LABOR CATEGORIES (SIN ANCILLARY)

16-1.1 Publications Coordinator

General Summary

Creates videos, graphics, photography, animation and other products in support of marketing, branding and other key initiatives. Creates a consistent look and feel among products. Ensures compatibility of product with reproduction formats. Ensures products are in line with business strategy and messaging. Responds to and coordinates requests, develops project scheduling, and generates deliverables.

Job Specifications

High School degree or equivalent. Requires three (3) years of general experience.

16-2.0 ANCILLARY SUPPLIES AND/OR SERVICES PRICE LIST (SIN ANCILLARY)

16-2.1 Leidos/On-Site Rates

All rates include GSA IFF (.75%)

**SIN ANCILLARY SUPPLIES AND/OR SERVICES
PRICE LIST**

GS -35F-116AA	Contract Year 7	Contract Year 8	Contract Year 9	Contract Year 10
LEIDOS CONTRACTOR / ON-SITE RATES All Rates Include GSA IFF (.75%)	12/13/2018 through 12/12/2019	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
Publications Coordinator	\$89.81	\$92.51	\$95.28	\$97.47

16-2.2 Customer/Off-Site Rates

All rates include GSA IFF (.75%)

**SIN ANCILLARY SUPPLIES AND/OR SERVICES
PRICE LIST**

GS -35F-116AA	Contract Year 7	Contract Year 8	Contract Year 9	Contract Year 10
GOVERNMENT / OFF-SITE RATES All Rates Include GSA IFF (.75%)	12/13/2018 through 12/12/2019	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
Publications Coordinator	\$78.25	\$80.59	\$83.01	\$84.92

16-2.0 ANCILLARY SUPPLIES AND/OR SERVICES PRICE LIST (SIN ANCILLARY)

LEIDOS SOFTWARE PRODUCTS

17.0 LEIDOS ISS-2000 AND SABER

Leidos s Maritime Systems Operations in Newport, RI, has developed two unique surveying and processing products, ISS-2000 and SABER, to provide professional hydrographers and surveyors with powerful, accurate, and efficient tools for planning and executing surveys, and for processing and analyzing hydrographic survey data.

Leidos' ISS-2000 Integrated Survey System supports a broad range of high performance, shallow and deep water survey operations including search and locate, mapping, and charting. ISS-2000 has proven International Hydrographic Organization (IHO) accuracy in high speed, shallow water surveying and processing operations. Powerful acquisition and visualization capabilities give ISS-2000 higher efficiency and data yields while maintaining real-time quality assurance.

ISS-2000 is a fully developed Leidos product that offers a range of survey planning capabilities and data collection features. Its modular components are offered in price-performance packages that include fully integrated sensor suites with data acquisition systems and software, and which are scalable to transportable/portable models. Compatible with SABER, ISS-2000 interfaces to internationally recognized sensors including both multibeam and singlebeam echosounders, GPS receivers, motion sensors, gyros, acoustic positioning systems, and autopilots.

Leidos' SABER (Survey Analysis and area Based Editor) processes, edits, updates, views and analyzes hydrographic survey data. SABER efficiently processes massive data volumes and allows the operator to view the data geographically, review and assess fliers identified by the filter, compare multiple sources of bathymetry data, and perform interactive editing. Survey analysis with SABER provides the required file lists and time windows, generates tracklines, processes all navigation data, and applies any necessary correctors as well as automatic ping and beam flag filtering.

The Area Based Editor replaces labor intensive line by line interactive editing, allowing operators to view and edit all data in an area simultaneously, directly retaining those edits in the full-resolution data files. By dividing large survey areas into sub-areas, SABER can systematically edit, filter, and smooth position data while recalculating depth data for different sound velocity profiles, and recalculating multibeam alignment calibrations for roll/pitch/azimuth offsets, and transducer and antenna mounting positions. SABER data products include volumetric reports for channel analysis; plots of final contours, tracklines and coverage; and junction analysis reports, smooth sheets and profile plots.

Leidos has successfully used ISS-2000 and SABER to conduct surveys for the National Oceanic and Atmospheric Administration (NOAA), the Naval Oceanographic Office (NAVOCEANO), the US Army Corps of Engineers, the University of New Hampshire, and various commercial clients worldwide. Leidos' Maritime Systems Operations works closely with clients to determine appropriate solutions for their survey system needs, and adapts ISS-2000 and SABER for their specific applications.

For questions and comments pertaining to the SABER product line please contact the following:

Ernest C. Helme III
Phone: 401-847-4210 x54772
Fax: 401-6810-5618
Email: ernest.c.helme@leidos.com

17-1.0 ISS-2000 AND SABER PRICE LIST

SIN	Manufacturer	Dealer	Part Number	Product Description	GSA Price
511210	Leidos	Leidos	ISS100-0100	ISS-2000 Survey Planning Base System	\$4,282
511210	Leidos	Leidos	ISS100-0200	ISS-2000 Real Time Data Acquisition & Display Base System	\$8,563
511210	Leidos	Leidos	ISS100-0300	ISS-2000 Integrated/SW Installed on Rack Mount Computer	\$17,126
511210	Leidos	Leidos	ISS100-0400	ISS-2000 Multibeam Interface Option	\$8,563
511210	Leidos	Leidos	ISS100-0500	ISS-2000 POS/MV Interface Acquisition Option	\$2,569
511210	Leidos	Leidos	ISS100-0600	ISS-2000 Brooke MVP Interface Acquisition Option	\$2,140
511210	Leidos	Leidos	ISS100-700	ISS-2000 Additional Multibeam Interface (each)	\$2,140
511210	Leidos	Leidos	ISS100-0900	ISS-2000 Underwater Navigation Long Baseline (LBL) Option	\$5,138
511210	Leidos	Leidos	ISS100-1000	ISS-2000 Integrated/SW Installed on Helm Display Computer	\$6,422
511210	Leidos	Leidos	SB100-0100	SABER Survey Analysis Base System	\$8,563
511210	Leidos	Leidos	SB100-0200	SABER Area-Based Editor Option	\$4,282
54151	Leidos	Leidos	SB100-2000	SABER System Maintenance	15% for each product ordered
611420	Leidos	Leidos	SB100-0100 Leidos Site	ISS-2000 Real Time Data Acquisition and Survey Planning Training. Five-day class. Price is per student at Leidos' Newport, RI facility. Additional cost per student is \$2100	\$2,393
611420	Leidos	Leidos	SB100-0100 Client Site	ISS-2000 Real Time Data Acquisition and Survey Planning Training. Five-day class. Price is for 12 students at Client Site. Additional cost per student is \$2100	\$23,926
611420	Leidos	Leidos	SB100-0200 Leidos Site	SABER Training. Five-day class. Price is per student at Leidos' Newport, RI facility. Additional cost per student is \$2100	\$2,393
611420	Leidos	Leidos	SB100-0200 Client Site	SABER Training. Five-day class. Price is for 12 students at Client Site. Additional cost per student is \$2100.	\$23,926

18.0 GEOROVER® SOFTWARE PRODUCTS

18.1 GeoRover Geospatial Software Products

GeoRover geospatial software products are developed by Leidos and are designed and sold as extensions or "plug-ins" to the ArcMap™ component of Environmental Systems Research Institute (Esri®) ArcGIS® Desktop GIS software versions 8.x, 9.x, and 10.

18.1.1 Locus Track – powerful tools for geospatial feature data creation, editing, and geospatial data fusion

The GeoRover Locus Track extension is developed by Leidos to work with the commercial Esri ArcGIS Desktop software (ArcView®, ArcEditor™, or ArcInfo®). The extension loads a single toolbar into the ArcMap component of ArcGIS, streamlining and enhancing the process of creating, editing, importing, and sharing data with a combination of robust and flexible interactive editing tools and data import/export wizards. The tools present many of the most common and requested functions in a simple, efficient interface, greatly reducing the steps required to accomplish basic tasks, saving valuable time and reducing required training.

- ◆ Interactive (point-and-click) and coordinate-based tools for creating, editing, and deleting points, lines, areas, and rows
- ◆ Tools can edit existing shapefiles and geodatabase feature classes (personal, file, and enterprise ArcSDE®), and can create new shapefiles "on-the-fly" within the ArcMap interface
- ◆ Supports DD, DM, DMS, UTM, MGRS, and XY coordinate formats. All tools employ robust, smart, and flexible coordinate parsing capabilities
- ◆ Wizard-driven import of points, lines, or areas from coordinates in any delimited text (.csv, .txt, .tab, etc.), Excel® spreadsheet, database (Access, Oracle®, SQL Server®, etc.), or even semi-structured copy/pasted text
- ◆ Export Wizard capable of exporting ArcMap layers into common formats, such as HTML pages, Excel spreadsheets, text, and customizable PowerPoint® slide show products
- ◆ Attribute editing tool allows for one-step database editing of any layer and the ability to add new attribute fields
- ◆ Add coordinate attributes (Lat/Lon, DD, DM, DMS, UTM, MGRS, or XY) to any point layer for one-step coordinate conversion. Coordinate attributes are verified and updated each time point features are moved or edited
- ◆ Add one or more linked files (video, images, audio, documents, slides, spreadsheets, databases, etc.) or Web sites to any point, line, or polygon feature

18.1.2 Digital Data Tracker – flexible GPS software tools that easily work with field collected data including data collected from geotagging devices; also supports real-time GPS navigation

The GeoRover Digital Data Tracker extension integrates a global positioning system (GPS) device and geotagged data with the commercial Esri ArcGIS Desktop software (ArcView, ArcEditor, or ArcInfo). It provides geographic information systems (GIS) tools for easily importing track logs and waypoint logs from a variety of GPS receivers, including receivers that support GPS exchange format (GPX) files or GPS-tagged data, and displays these imported formats within the ArcMap component of the ArcGIS Desktop application.

18.0 GEOROVER® SOFTWARE PRODUCTS

Using the GPS receiver track log information, digital media (images, video clips, audio clips, text) collected in the field, can automatically be georeferenced. Track logs and georeferenced data layers are saved as shapefiles or can be added to existing feature classes in a personal or ArcSDE® geodatabase. The result is an interactive map display with links to field data or geotagged data that can be exported as a web page for easy geospatial information sharing. Specific waypoints or routes can also be uploaded to a GPS receiver.

- ◆ Download track logs, waypoints, and routes from GPS receivers into new or existing ArcMap layers
- ◆ Upload waypoints or routes from the ArcMap application to a GPS receiver
- ◆ Support for Garmin® GPS receivers (serial and USB), GPX files, GPS-tagged data, Magellan® (serial), and NMEA GPS protocols. Also, supports popular Garmin nüvi® series GPS receivers
- ◆ Automatically geolocates and plots digital media (images, video clips, audio recordings, etc.) by correlating the collected field data with the GPS track log information
- ◆ Import and export track log, waypoint, route, and linked data to and from GPX files
- ◆ Create and manage related offset (subject and collection) points by leveraging range and bearing information
- ◆ Convert track log points to lines
- ◆ Real-time track log with moving map display for GPS navigation includes heading and current coordinate readout
- ◆ Use the Geolocation Wizard to georeference data using non-standard track logs, different time offset methods, and to set up real-time geolocation functionality with the real-time track log mode
- ◆ Automatically plot geotagged data for display in the ArcMap application
- ◆ Access georeferenced field data or geotagged data from maps and images with simple point and click
- ◆ Add new points to existing geolocated data by clicking on display or entering coordinates (DD, DM, DMS, UTM, MGRS)
- ◆ Add/change linked data (video, images, audio, documents, slides, spreadsheets, databases, URLs, etc.) using standard Windows Explorer interface
- ◆ Export ArcMap display and layers into interactive HTML file with hyperlinks and user-defined pop-up labels

18.1.3 RPF Tools – high-speed indexing, display, and management of large file-based raster product format (RPF) datasets, typically map and imagery data

GeoRover RPF Tools is an extension developed by Leidos to work with the Environmental Systems Research Institute (Esri) commercial ArcGIS Desktop software. The GeoRover RPF Tools extension loads into the ArcMap component of ArcGIS and will function in any level of licensing (ArcView, ArcEditor, or ArcInfo).

The extension provides the capability to create map indexes from any file-based source of raster product format (RPF) data and view the index within ArcMap. Common RPF formats

include Compressed ARC Digitized Raster Graphics (CADRG) and Controlled Image Base® (CIB®).

- ◆ Rapid map index creation from RPF data in any directory structure
- ◆ Create and work with map indexes in ArcMap; no requirement to use ArcCatalog™
- ◆ Add new RPF data to existing indexes; most recent data is automatically selected for the index
- ◆ Wireframe and product controls conveniently located in ArcMap Table of Contents
- ◆ Selection tools for custom selection of map product(s) coverage areas
- ◆ Copy map data tools for chipping-out subsets of existing map indexes/data and moving to new location
- ◆ Delete map data functionality for removing unwanted data and reclaiming disk space
- ◆ Special zoom tool for efficient navigation through map product sets
- ◆ Integrates ArcMap Identify tool for viewing crucial RPF metadata
- ◆ Work with large RPF datasets concurrently with both ArcMap and FalconView™
- ◆ Ideal for disconnected and operational users

18.1.4 Range Tools - geospatial feature data creation, editing, and ingestion of ring, ellipse, and arc feature data

The GeoRover Range Tools extension is developed by Leidos to work with the Esri ArcGIS Desktop software (ArcView, ArcEditor, or ArcInfo). The extension loads a single toolbar into the ArcMap component of ArcGIS, providing powerful and interactive tools for creating, editing, and importing ring, ellipse, and arc feature layers.

- ◆ Interactive (point-and-click) and coordinate-based tools for creating, editing, and deleting ring, ellipse, and arc features from shapefiles and geodatabase feature classes (personal, file, and enterprise ArcSDE) "on-the-fly" within the ArcMap interface
- ◆ Wizard-driven import tool creates or updates ring, ellipse, or arc feature layers from any delimited text file (.csv, .txt, .tab, etc.) Excel spreadsheet, database (Access, Oracle, SQL Server, etc.), or even semi-structured copy/pasted text with coordinates
- ◆ Updating feature parameter values (radius, diameter, heading, sweep, semi/major axis, semi/minor axis) updates feature size/shape instantly
- ◆ Supports Decimal degrees (DD), degrees Decimal Minutes (DM), degrees Minutes Seconds (DMS), Universal Transverse Mercator (UTM), Military Grid Reference System (MGRS), and XY coordinates in any available units. All tools employ robust, smart, and flexible coordinate parsing capabilities
- ◆ Range features are always geodetically correct when created and edited using the Range tools extension
- ◆ One-click button for displaying/hiding range feature center points
- ◆ Options menu available for customizing user preferences and default settings including add/edit and layer symbology, feature creation methods, and coordinate system behavior

18.1.5 Coordinate Viewer and Zoom Tools – rapid map zooming and enhanced coordinate functionality

The GeoRover Coordinate Viewer and Zoom Tools extensions are developed by Leidos to work with the commercial Esri ArcGIS Desktop software (ArcView, ArcEditor, or ArcInfo). The extensions load as toolbars into the ArcMap component of ArcGIS, providing rapid map zooming and enhanced coordinate functionality. Capabilities include flexible and robust coordinate parsing and searching, real-time coordinate display, and the ability to retrieve coordinates from the map.

- ◆ Viewing window simultaneously displays up to six different coordinate system formats in real-time, based on cursor position, regardless of which ArcMap tool is being used
- ◆ Zoom to any scale and/or known specific coordinate location
- ◆ Interface performs instant coordinate conversion between all supported coordinate formats: Decimal degrees (DD), degrees Decimal Minutes (DM), degrees Minutes Seconds (DMS), Universal Transverse Mercator (UTM), Military Grid Reference System (MGRS), and XY
- ◆ Options allow for user preferred coordinate format (structure) and display style (font, size, color)
- ◆ Copy any individual coordinate from map to clipboard with single-click or use coordinate lists tool to copy multiple coordinates
- ◆ Viewing window is resizable and can be docked to the ArcMap interface
- ◆ Coordinate list tool "batch" copying capability provides fastest possible means to export multiple coordinates from map to clipboard

18.2 GeoRover Software Annual Maintenance

GeoRover Software Annual Maintenance is available for purchase at a prorated fee based on a month-to-month calculation. It is intended for customers that require the annual maintenance Period of Performance (POP) to have the same date. Determine the prorated maintenance fee by calculating the amount of time between the existing POP end date and the desired POP end date. The prorated fee is the monthly maintenance rate for each whole month in the prorated time period. If there are 15 or fewer days remaining outside a whole month the fee will be calculated as a half month. If there are 16 or more days remaining outside a whole month the fee will be calculated as a whole month. Customers buying new GeoRover software licenses are required to purchase the minimum annual maintenance term to be eligible to purchase maintenance at a prorated fee.

18.3 GeoRover Software Training

Typical GeoRover® software training classes conducted at a Leidos location or a customer location are typically one (1) to (5) days in length depending on class skill level. These class topics are instructor-led, hands on training for one (1) to (5) students. This training daily rate includes commutable travel equal to or less than one hour travel time from the instructor's home base office to the customer location/facility.

18.3.1 GeoRover Customer Site Training, half day travel**

Customers who would rather have Instructor-led training at their site can purchase a fixed price rate to cover travel time to and from a client site. Half day travel equates to greater than one

18.0 GEOROVER® SOFTWARE PRODUCTS

hour and equal to or less than four hours travel time from the instructor's home base office to the customer location/facility.

18.3.2 GeoRover Customer Site Training, full day travel**

Customers who would rather have Instructor-led training at their site can purchase a fixed price rate to cover travel time to and from a client site. Full day travel equates to greater than four hours travel time from the instructor's home base office to the customer location/facility.

*** Additional travel costs will be incurred for travel time to customer site. Customer site Training will also require that the customer reimburse at cost for all travel expenses (transportation, lodging, per diem).*

18.4 Additional Information

Leidos GeoRover Team

Phone: 1-866-417-5322

Web site: <https://www.leidos.com/products/software/georover>

18-1.0 GEOROVER® PRICE LIST

All Rates Include GSA IFF (.75%)

SIN	Manufacturer	Dealer	Part Number	Product Description	GSA Price
511210	GeoRover	Leidos	LTK001	GeoRover Locus Track Extension Software License (Qty 1-25)	\$1,155
511210	GeoRover	Leidos	LTK002	GeoRover Locus Track Extension Software License (Qty 26-50)	\$1,040
511210	GeoRover	Leidos	LTK003	GeoRover Locus Track Extension Software License (Qty 51-100)	\$866
511210	GeoRover	Leidos	LTK004	GeoRover Locus Track Extension Software License (Qty 101+)	\$693
511210	GeoRover	Leidos	DDT001	GeoRover Digital Data Tracker Extension Software License (Qty 1-25)	\$578
511210	GeoRover	Leidos	DDT002	GeoRover Digital Data Tracker Extension Software License (Qty 26-50)	\$464
511210	GeoRover	Leidos	DDT003	GeoRover Digital Data Tracker Extension Software License (Qty 51-100)	\$347
511210	GeoRover	Leidos	DDT004	GeoRover Digital Data Tracker Extension Software License (Qty 101+)	\$231
511210	GeoRover	Leidos	RPF001	GeoRover RPF Tools Extension Software License (Qty 1-25)	\$982
511210	GeoRover	Leidos	RPF002	GeoRover RPF Tools Extension Software License (Qty 26-50)	\$866
511210	GeoRover	Leidos	RPF003	GeoRover RPF Tools Extension Software License (Qty 51-100)	\$693
511210	GeoRover	Leidos	RPF004	GeoRover RPF Tools Extension Software License (Qty 101+)	\$521
511210	GeoRover	Leidos	RNG001	GeoRover Range Tools Extension Software License (Qty 1-25)	\$982
511210	GeoRover	Leidos	RNG002	GeoRover Range Tools Extension Software License (Qty 26-50)	\$866
511210	GeoRover	Leidos	RNG003	GeoRover Range Tools Extension Software License (Qty 51-100)	\$693
511210	GeoRover	Leidos	RNG004	GeoRover Range Tools Extension Software License (Qty 101+)	\$521
54151	GeoRover	Leidos	LTKM01	GeoRover Locus Track Extension Annual Maintenance	\$116
54151	GeoRover	Leidos	DDTM01	GeoRover Digital Data Tracker Extension Annual Maintenance	\$58
54151	GeoRover	Leidos	RPFM01	GeoRover RPF Tools Extension Annual Maintenance	\$98
54151	GeoRover	Leidos	RNGM01	GeoRover Range Tools Extension Annual Maintenance	\$98
611420	GeoRover	Leidos	TRN001	GeoRover Instructor-led Classroom Training (1-day)	\$1,732
611420	GeoRover	Leidos	TRN002	GeoRover Customer Site Training, Half-day Travel	\$630
611420	GeoRover	Leidos	TRN003	GeoRover Customer Site Training, Full-day Travel	\$1,260

19.0 TERATEXT®

The TeraText® Database Systems (DBS) is the next-generation system for text. Designed to maximize the lifetime value of your text assets, this unique system is enterprise-wide and global, linking disparate information sources housed in multiple locations. It's fast. It's accurate. It's scalable - and it manages text ranging from a few gigabytes to terabyte-size and beyond, making huge text solutions both affordable and fast. The TeraText DBS is multilingual and supports over 250 document types. The dynamic, XML-native TeraText DBS conforms to industry standards for maximum interoperability on multiple hardware platforms. Its flexibility and adaptability allow it to integrate with both legacy systems and desktop applications. Its sophisticated compression technology and indexing capabilities keep indexes to a manageable size so that large data problems don't become even larger. With applications in the intelligence, legislation management, technical documentation, information portals, education, publishing, clinical research, patenting and FDA clearance we can provide solutions for many different types of text intensive projects.

For immediate assistance in placing an order, please contact:

Dr. Timothy Arnold-Moore

Phone: 61 3 86890973

Email: timothy.j.arnold-moore@leidos.com

<http://www.teratext.com/>

19-1.0 TERATEXT® PRICE LIST

SIN	Manufacturer	Dealer	Part Number	Product Description	GSA Price
511210	TeraText	Leidos	TT-WIN-LNX-32-DEVO	Development for Windows or Linux-32 per developer	\$6,045.00
511210	TeraText	Leidos	TT-LNX-64 BASE	TeraText Linux-64 Base License Fee (must be combined with CPU charge)	\$13,601.25
511210	TeraText	Leidos	TT-LNX-64 1-9	TeraText Linux-64 per CPU Fee for 1-9 CPUs (must be combined with LNX-64 Base Fee)	\$12,694.50
511210	TeraText	Leidos	TT-LNX-64 10-29	TeraText Linux-64 per CPU Fee for 10-29 CPUs (must be combined with LNX-64 Base Fee)	\$11,485.50
511210	TeraText	Leidos	TT-LNX-64 30-49	TeraText Linux-64 per CPU Fee for 30-49 CPUs (must be combined with LNX-64 Base Fee)	\$8,463.00
511210	TeraText	Leidos	TT-LNX-64 50-69	TeraText Linux-64 per CPU Fee for 50-69 CPUs (must be combined with LNX-64 Base Fee)	\$7,254.00
511210	TeraText	Leidos	TT-LNX-64 70+	TeraText Linux 64 per CPU Fee for 70 or more CPUs (must be combined with LNX-64 Base Fee)	\$4,836.00
511210	TeraText	Leidos	TT-SUN BASE	TeraText SUN Base License Fee (must be combined with SUN CPU charge)	\$16,321.50
511210	TeraText	Leidos	TT-SUN 1-9	TeraText SUN per CPU Fee for 1-9 CPUs (must be combined with SUN Base Fee)	\$14,810.25
511210	TeraText	Leidos	TT-SUN 10-29	TeraText SUN per CPU Fee for 10-29 CPUs (must be combined with SUN Base Fee)	\$13,601.25
511210	TeraText	Leidos	TT-SUN 30-49	TeraText SUN per CPU Fee for 30-49 CPUs (must be combined with SUN Base Fee)	\$8,840.81
511210	TeraText	Leidos	TT-SUN 50-69	TeraText SUN per CPU Fee for 50-69 CPUs (must be combined with SUN Base Fee)	\$7,556.25
511210	TeraText	Leidos	TT-SUN 70-99	TeraText SUN per CPU Fee for 70-99 CPUs (must be combined with SUN Base Fee)	\$7,254.00
511210	TeraText	Leidos	TT-SUN 100+	TeraText SUN per CPU Fee for 100 or more CPUs (must be combined with SUN Base Fee)	\$4,836.00
511210	TeraText	Leidos	MN-LNX-64 BASE	Maintenance TT Linux-64 Base License Fee (must be combined with CPU charge)	\$3,037.50
511210	TeraText	Leidos	MN-LNX-64 1-9	Maintenance TT Linux-64 per CPU Fee for 1-9 CPUs (must be combined with LNX-64 Base Fee)	\$2,835.00
511210	TeraText	Leidos	MN-LNX-64 10-29	Maintenance TT Linux-64 per CPU Fee for 10-29 CPUs (must be combined with LNX-64 Base Fee)	\$2,565.00

SIN	Manufacturer	Dealer	Part Number	Product Description	GSA Price
511210	TeraText	Leidos	MN-LNX-64 30-49	Maintenance TT Linux-64 per CPU Fee for 30-49 CPUs (must be combined with LNX-64 Base Fee)	\$1,890.00
511210	TeraText	Leidos	MN-LNX-64 50-69	Maintenance TT Linux-64 per CPU Fee for 50-69 CPUs (must be combined with LNX-64 Base Fee)	\$1,620.00
511210	TeraText	Leidos	MN-LNX-64 70+	Maintenance TT Linux 64 per CPU Fee for 70 or more CPUs (must be combined with LNX-64 Base Fee)	\$1,080.00
511210	TeraText	Leidos	MN-SUN BASE	Maintenance TT SUN Base License Fee (must be combined with SUN CPU charge)	\$3,645.00
511210	TeraText	Leidos	MN-SUN 1-9	Maintenance TT SUN per CPU Fee for 1-9 CPUs (must be combined with SUN Base Fee)	\$3,307.50
511210	TeraText	Leidos	MN-SUN 10-29	Maintenance TT SUN per CPU Fee for 10-29 CPUs (must be combined with SUN Base Fee)	\$3,037.50
511210	TeraText	Leidos	MN-SUN 30-49	Maintenance TT SUN per CPU Fee for 30-49 CPUs (must be combined with SUN Base Fee)	\$1,974.60
511210	TeraText	Leidos	MN-SUN 50-69	Maintenance TTSUN per CPU Fee for 50-69 CPUs (must be combined with SUN Base Fee)	\$1,687.50
511210	TeraText	Leidos	MN-SUN 70-99	Maintenance TT SUN per CPU Fee for 70-99 CPUs (must be combined with SUN Base Fee)	\$1,620.00
511210	TeraText	Leidos	MN-SUN 100+	Maintenance TT SUN per CPU Fee for 100 or more CPUs (must be combined with SUN Base Fee)	\$1,080.00

OFFICE MANAGEMENT CATEGORY

20.0 OFFICE MANAGEMENT AWARDED SINs

Awarded Special Item Numbers (SINs)

- **SIN 541611O Office Management Needs Assessment and Analysis Services**
- **SIN 518210DC Document Conversion Services**
- **SIN 541611LIT Litigation Support Services**
- **SIN 518210ERM Electronics Records Management Solutions**

541611O Includes office equipment needs assessment and analysis services, which involves assessing various office management functions to identify improvement opportunities.

518210DC Includes scanning of the original document's text and images, converting the information to digital data, transferring the data to a new media file, and formatting the information for use in a document imaging and storage system. Customized coding and indexing options are also available as part of the document conversion process.

541611LIT Includes a wide range of services that aid the customers in obtaining, organizing, analyzing and presenting evidence or materials for legal matters. Services include, but are not limited to: document acquisition, document preparation and organization, data extraction from forensic images, document analysis, technical support, and project management.

518210ERM* Electronic Records Management Solutions provide a comprehensive capability to solve the complex challenges posed by the movement, manipulation, archiving, security, and management of electronic records. The vendor provides professional management and administrative support personnel with the necessary skills to perform effective record management services for both classified and/or unclassified records. The services are provided using either Government or vendor equipment and facilities or a combination of both. The objective of electronic records management services is to permit the access, maintenance, control, storage, disposition, and transfer of electronic records. Includes any ancillary supplies and/or services necessary to provide a total electronic records management solution.

*Leidos is capable of performing tasks under all eleven specific elements of Electronic Records Management (ERM) services identified by the National Archives & Records Administration listed below:

- Element 1 - Desktop Applications
- Element 2 - Electronic Messages
- Element 3 - Social Media
- Element 4 - Cloud Services
- Element 5 - Websites
- Element 6 - Digital Media (Photo)
- Element 7 - Digital Media (Audio)
- Element 8 - Digital Media (Video)
- Element 9 - Databases
- Element 10 - Shared Drives
- Element 11 - Engineering Drawings

20-1.0 OFFICE MANAGEMENT LABOR CATEGORIES (SINS 541611O, 518210DC, 541611LIT, 518210ERM)

Labor Category Title	Functional Responsibility	Experience	Minimum Education/ Experience	Education/Experience Substitutions
Administrative Support I**	Under general supervision, performs standard secretarial duties. Receives and routes incoming correspondence, answers telephone, and types correspondence, reports, forms, and records. Makes travel arrangements and reservations. Schedules appointments for supervisor. May be required to take and transcribe dictation.	Two years of experience performing administrative support tasks, including word processing, filing, answering telephones, etc. Experience using office automation software and equipment required.	High school diploma or GED certificate.	General Education Diploma and 2 years relevant exempt experience
Administrative Support II**	Under general supervision, performs standard secretarial duties. Receives and routes incoming correspondence, answers telephone, and types correspondence, reports, forms, and records. Makes travel arrangements and reservations. Schedules appointments for supervisor. May be required to take and transcribe dictation.	Three years of experience performing administrative support tasks, including word processing, filing, answering telephones, etc. Experience using office automation software and equipment required.	High school diploma or GED certificate.	General Education Diploma and 3 years relevant exempt experience
Administrative Support III**	Under general supervision, performs standard secretarial duties. Receives and routes incoming correspondence, answers telephone, and types correspondence, reports, forms, and records. Makes travel arrangements and reservations. Schedules appointments for supervisor. May be required to take and transcribe dictation.	Four years of experience performing administrative support tasks, including word processing, filing, answering telephones, etc. Experience using office automation software and equipment required.	High school diploma or GED certificate.	General Education Diploma and 4 years relevant exempt experience
Archivist	Implements, administers, and manages the system to classify and retrieve archived records and manuscripts, including developing and maintaining the database of these records in the collection management system. Provides research and reference services; develops, administers, and enhances all electronic systems created for tracking data involving the accessioning and deaccessioning of archived materials; develops, negotiates, monitors, and oversees rules and procedures for maintenance of records following National Archives and Records Administration guidelines; develops and monitors standards, guidelines, and formal agreements for accessioning records and material and deaccessioning records to other repositories; and prepares and updates operating manuals and guidelines that ensure the protection of documents at every stage of their life cycle. Performs random evaluations of archives for quality control of document processing and maintenance; maintains a sustained high level of customer service; attends and contributes to relevant professional activities and meetings dealing with archives and archival preservation; and prepares statistical and narrative reports.	Four years of experience in archiving records, including two years of experience in document and data management using automation. Appraises and edits permanent records and historically valuable documents. Participates in research activities based on archival materials and directs safekeeping of permanent records, documents, and other archival materials. Requires familiarity with archival cataloging in automated systems and with applying such standards for cataloging; knowledge of basic archival processes, including selection of materials for retention and organization of materials into logical groupings; research and reference expertise; and experience in computerized management of electronic records.	Graduate degree in History or Archival Studies or in Library and Information Science (MLS).	High School and 9 years relevant exempt experience; Bachelors and 5 years relevant exempt experience
Data Collection Specialist	Designs and develops survey instruments including CATI (computer-assisted telephone interview) programming. Develops data collection procedures and interviewer-training materials. Trains interviewers and supervisors and generates survey data file documentation. Participates in interpreting survey results and documenting procedures.	Five years of experience in formulating, conducting, and monitoring data collection procedures including the design and pilot test of survey instruments, training of survey coordinators and technicians, and interpretation of survey results.	Bachelor's degree in a behavioral science. Six years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's degree.	High School and 9 years relevant exempt experience
Data Entry Technician I**	Works with data and/or enters data on-line to a variety of computer systems. Enters data in prescribed format for subsequent processing. May also extract bibliographic or subjective information from documents, invoices, or other source material and directly input the extracted information onto a data entry screen. Reviews error messages and makes corrections during data entry. Maintains operating records, logs and controls documents, conducts first level quality control checks.	One year of general data entry experience to include experience operating an alphanumeric keyboard. Experience in information technology or automated office environment and in the functional area applicable to specific task orders preferred. Requires ability to operate a variety of office automation equipment and personal computers. For specific assignments, may also require ability to analyze documents to extract information. Attention to detail and ability to work independently while following prescribed procedures required.	High school diploma or GED certificate.	General Education Diploma and 1 years relevant exempt experience

Data Entry Technician II**	Works with data and/or enters data on-line to a variety of computer systems. Enters data in prescribed format for subsequent processing. May also extract bibliographic or subjective information from documents, invoices, or other source material and directly input the extracted information onto a data entry screen. Reviews error messages and makes corrections during data entry. Maintains operating records, logs and controls documents, conducts first level quality control checks.	Two years of general data entry experience to include experience operating an alphanumeric keyboard. Experience in information technology or automated office environment and in the functional area applicable to specific task orders preferred. Requires ability to operate a variety of office automation equipment and personal computers. For specific assignments, may also require ability to analyze documents to extract information. Attention to detail and ability to work independently while following prescribed procedures required.	High school diploma or GED certificate.	General Education Diploma and 2 years relevant exempt experience
Data Entry Technician III**	Works with data and/or enters data on-line to a variety of computer systems. Enters data in prescribed format for subsequent processing. May also extract bibliographic or subjective information from documents, invoices, or other source material and directly input the extracted information onto a data entry screen. Reviews error messages and makes corrections during data entry. Maintains operating records, logs and controls documents, conducts first level quality control checks.	Five years of general data entry experience to include experience operating an alphanumeric keyboard. Experience in information technology or automated office environment and in the functional area applicable to specific task orders preferred. Requires ability to operate a variety of office automation equipment and personal computers. For specific assignments, may also require ability to analyze documents to extract information. Attention to detail and ability to work independently while following prescribed procedures required.	High school diploma or GED certificate.	General Education Diploma and 5 years relevant exempt experience
Data Entry Technician IV**	Works with data and/or enters data on-line to a variety of computer systems. Enters data in prescribed format for subsequent processing. May also extract bibliographic or subjective information from documents, invoices, or other source material and directly input the extracted information onto a data entry screen. Reviews error messages and makes corrections during data entry. Maintains operating records, logs and controls documents, conducts first level quality control checks.	Six years of general data entry experience to include experience operating an alphanumeric keyboard. Experience in information technology or automated office environment and in the functional area applicable to specific task orders preferred. Requires ability to operate a variety of office automation equipment and personal computers. For specific assignments, may also require ability to analyze documents to extract information. Attention to detail and ability to work independently while following prescribed procedures required.	High school diploma or GED certificate.	General Education Diploma and 6 years relevant exempt experience
Database Administrator**	Assists in administering database organizations, standards, controls, and procedures. Provides technical consulting in the definition, design, and creation of a database environment. Maintains documentation and develops database dictionaries.	Three years of experience designing, administering, maintaining, and updating databases.	Bachelor's degree. IT-related certification programs or other technical-related training plus two years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's degree.	High School and 7 years relevant exempt experience
Digital Forensics Specialist I	Serves as a digital forensics specialist responsible for planning and executing forensic science activities. Such activities may include one or more of the following: performing comprehensive examinations and technical analysis of digital evidence, utilizing a broad scope of knowledge in many IT areas to examine and analyze large and complex systems, recommending new protocols/procedures for collections, acquiring electronic data in the field, investigating cyber related crimes, interviewing potential custodians regarding Electronically Stored Information (ESI), consulting with electronic discovery personnel regarding the safe handling and processing of digital evidence, writing formal reports and declarations, and testifying in legal proceedings as a fact or expert witness, as needed.	One year of experience performing duties related to digital forensics activities.	Undergraduate degree preferred. Certification in a related digital forensics area (e.g., EnCE, CFCE, CCE, or CISSP) may be substituted for a degree.	Certification and 1 year relevant exempt experience

Digital Forensics Specialist II	<p>Serves as a digital forensics specialist responsible for planning and executing forensic science activities. Such activities may include one or more of the following: performing comprehensive examinations and technical analysis of digital evidence, utilizing a broad scope of knowledge in many IT areas to examine and analyze large and complex systems, recommending new protocols/procedures for collections, acquiring electronic data in the field, investigating cyber related crimes, interviewing potential custodians regarding Electronically Stored Information (ESI), consulting with electronic discovery personnel regarding the safe handling and processing of digital evidence, writing formal reports and declarations, and testifying in legal proceedings as a fact or expert witness, as needed.</p>	<p>Three years of experience performing duties related to digital forensics activities.</p>	<p>Undergraduate degree preferred. Certification in a related digital forensics area (e.g., EnCE, CFCE, CCE, or CISSP) may be substituted for a degree.</p>	<p>Certification and 3 year relevant exempt experience</p>
Digital Forensics Specialist III	<p>Serves as a digital forensics specialist responsible for planning and executing forensic science activities. Such activities may include one or more of the following: performing comprehensive examinations and technical analysis of digital evidence, utilizing a broad scope of knowledge in many IT areas to examine and analyze large and complex systems, recommending new protocols/procedures for collections, acquiring electronic data in the field, investigating cyber related crimes, interviewing potential custodians regarding Electronically Stored Information (ESI), consulting with electronic discovery personnel regarding the safe handling and processing of digital evidence, writing formal reports and declarations, and testifying in legal proceedings as a fact or expert witness, as needed.</p>	<p>Five years of experience performing duties related to digital forensics activities.</p>	<p>Undergraduate degree preferred. Certification in a related digital forensics area (e.g., EnCE, CFCE, CCE, or CISSP) may be substituted for a degree.</p>	<p>Certification and 5 year relevant exempt experience</p>
Digital Forensics Specialist IV	<p>Serves as a digital forensics specialist responsible for planning and executing forensic science activities. Such activities may include one or more of the following: performing comprehensive examinations and technical analysis of digital evidence, utilizing a broad scope of knowledge in many IT areas to examine and analyze large and complex systems, recommending new protocols/procedures for collections, acquiring electronic data in the field, investigating cyber related crimes, interviewing potential custodians regarding Electronically Stored Information (ESI), consulting with electronic discovery personnel regarding the safe handling and processing of digital evidence, writing formal reports and declarations, and testifying in legal proceedings as a fact or expert witness, as needed.</p>	<p>Seven years of experience performing duties related to digital forensics activities.</p>	<p>Undergraduate degree preferred. Certification in a related digital forensics area (e.g., EnCE, CFCE, CCE, or CISSP) may be substituted for a degree.</p>	<p>Certification and 7 year relevant exempt experience</p>
Document Management Analyst I**	<p>Performs moderately complex records management or litigation support tasks, including, detailed indexing of case files, drafting procedures for accomplishing assignments, and document acquisition related tasks. Proofreads and edits deliverable products. Sometimes serves as "team leader" for larger group of Document Management Technicians and clerical support staff. Often works with minimal supervision.</p>	<p>One year of experience working on records management or litigation support projects. Demonstrated ability to work independently in a team environment. Excellent writing skills and oral communication skills required. Should be a knowledgeable user of the Government's word processing, spreadsheet, imaging, and telecommunications systems and have hands-on familiarity with the Government's data processing environments, including office automation networks, PC based database and other applications, server-based database and other applications.</p>	<p>Bachelor's degree or four years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for a Bachelor's Degree.</p>	<p>High School and 5 years relevant exempt experience</p>
Document Management Analyst II**	<p>Performs moderately complex records management or litigation support tasks, including, detailed indexing of case files, drafting procedures for accomplishing assignments, and document acquisition related tasks. Proofreads and edits deliverable products. Sometimes serves as "team leader" for larger group of Document Management Technicians and clerical support staff. Often works with minimal supervision.</p>	<p>Two years of experience working on records management or litigation support projects. Demonstrated ability to work independently in a team environment. Excellent writing skills and oral communication skills required. Should be a knowledgeable user of the Government's word processing, spreadsheet, imaging, and telecommunications systems and have hands-on familiarity with the Government's data processing environments, including office automation networks, PC-based database and other applications, server-based database and other applications.</p>	<p>Bachelor's degree or four years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for a Bachelor's Degree.</p>	<p>High School and 6 years relevant exempt experience</p>

Document Management Analyst III**	<p>Performs moderately complex records management or litigation support tasks, including, detailed indexing of case files, drafting procedures for accomplishing assignments, and document acquisition related tasks. Proofreads and edits deliverable products. Sometimes serves as "team leader" for larger group of Document Management Technicians and clerical support staff. Often works with minimal supervision.</p>	<p>Three years of experience working on records management or litigation support projects. Demonstrated ability to work independently in a team environment. Excellent writing skills and oral communication skills required. Should be a knowledgeable user of the Government's word processing, spreadsheet, imaging, and telecommunications systems and have hands-on familiarity with the Government's data processing environments, including office automation networks, PC-based database and other applications, server-based database and other applications.</p>	<p>Bachelor's degree or four years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for a Bachelor's Degree.</p>	<p>High School and 7 years relevant exempt experience</p>
Document Management Technician I**	<p>Provides organization and management of relevant files and records including: reviewing data for completeness of information and proper execution; extracting data from databases; obtaining additional information from other sources/databases; establishing/maintaining physical files; preparing notices/ advertisements; reconciling inconsistencies; preparing declarations; gathering information and organizing information is accurate and performing analytical computations necessary to process data, conducting and reconciling inventories; distributing and receiving documents; extracting data from databases for management and program reports; and performing data entry and entry relevant to project.</p>	<p>One year of experience reviewing and analyzing data and information from multiple sources; establishing relevant files; entering and retrieving data from databases; manipulating, transferring, computing and printing electronic information; and creating multiple spreadsheets using database applications. Ability to operate a variety of equipment, including PCs, image capture devices, barcode readers, workflow tools, publishing systems, and numbering and binding equipment.</p>	<p>High school diploma or GED certificate. Bachelor's degree preferred.</p>	<p>General Education Diploma and 1 years relevant exempt experience</p>
Document Management Technician II**	<p>Provides organization and management of relevant files and records including: reviewing data for completeness of information and proper execution; extracting data from databases; obtaining additional information from other sources/databases; establishing/maintaining physical files; preparing notices/ advertisements; reconciling inconsistencies; preparing declarations; gathering information and organizing information is accurate and performing analytical computations necessary to process data, conducting and reconciling inventories; distributing and receiving documents; extracting data from databases for management and program reports; and performing data entry and entry relevant to project.</p>	<p>Two years of experience reviewing and analyzing data and information from multiple sources; establishing relevant files; entering and retrieving data from databases; manipulating, transferring, computing and printing electronic information; and creating multiple spreadsheets using database applications. Ability to operate a variety of equipment, including PCs, image capture devices, barcode readers, workflow tools, publishing systems, and numbering and binding equipment.</p>	<p>High school diploma or GED certificate. Bachelor's degree preferred.</p>	<p>General Education Diploma and 2 years relevant exempt experience</p>
Document Processing Technician I**	<p>Operates digital image processing equipment to capture images, performs OCRing from digital images, burns, CDs, creates backup copies of image files, establishes and maintains links between images and database files, converts image files from one medium to another, etc. May also be required to extract bibliographic information from documents, invoices, phone records or other source material. Performs routine, rudimentary maintenance on equipment. Maintains production logs and equipment maintenance logs.</p>	<p>Experience with performing routine tasks requiring attention to detail. Ability to produce high quality work under adverse conditions and time pressures.</p>	<p>High school diploma or GED certificate.</p>	<p>General Education Diploma</p>
Document Processing Technician II**	<p>Operates digital image processing equipment to capture images, performs OCRing from digital images, burns, CDs, creates backup copies of image files, establishes and maintains links between images and database files, converts image files from one medium to another, etc. May also be required to extract bibliographic information from documents, invoices, phone records or other source material. Performs routine, rudimentary maintenance on equipment. Maintains production logs and equipment maintenance logs.</p>	<p>One year of experience working with image scanning and conversion equipment. Ability to operate and perform routine tasks, including maintenance of production logs and equipment logs. Attention to detail is important, as is the ability to produce high quality work under adverse conditions and time pressures.</p>	<p>High school diploma or GED certificate.</p>	<p>General Education Diploma and 1 years relevant exempt experience</p>
Document Processing Technician III**	<p>Operates digital image processing equipment to capture images, performs OCRing from digital images, burns, CDs, creates backup copies of image files, establishes and maintains links between images and database files, converts image files from one medium to another, etc. May also be required to extract bibliographic information from documents, invoices, phone records or other source material. Performs routine, rudimentary maintenance on equipment. Maintains production logs and equipment maintenance logs.</p>	<p>Three years of professional experience which includes at least 2 years working with image scanning and conversion equipment. Ability to operate and perform routine tasks, including maintenance of production logs and equipment logs. Attention to detail is important, as is the ability to produce high quality work under adverse conditions and time pressures.</p>	<p>High school diploma or GED certificate.</p>	<p>General Education Diploma and 3 years relevant exempt experience</p>

Document Processing Technician IV**	<p>Operates digital image processing equipment to capture images, performs OCRing from digital images, burns, CDs, creates backup copies of image files, establishes and maintains links between images and database files, converts image files from one medium to another, etc. May also be required to extract bibliographic information from documents, invoices, phone records or other source material. Performs routine, rudimentary maintenance on equipment. Maintains production logs and equipment maintenance logs.</p>	<p>Five years of professional experience which includes at least 3 years working with image scanning and conversion equipment. Ability to operate and perform routine tasks, including maintenance of production logs and equipment logs. Attention to detail is important, as is the ability to produce high quality work under adverse conditions and time pressures.</p>	<p>High school diploma or GED certificate.</p>	<p>General Education Diploma and 5 years relevant exempt experience</p>
eDiscovery Application Analyst I	<p>Duties include multiple areas related to the eDiscovery technical environment including but not limited to: Advanced processing of Electronic Stored Information (ESI) into multiple systems including hand-on file manipulations and conversions; designing and implementing action plans to upgrade new litigation support tools within established environments by participating in Change Control Board Meetings, leading user acceptance testing efforts, and validating the rollout of new software upgrades; and integrating legal systems to improve efficiencies by creating scripts and advanced queries and introducing automated workflow concepts.</p>	<p>One year of experience performing tasks related to ESI Processing or upgrading and integrating technical systems. Knowledge of file manipulation applications, scripting, and the eDiscovery industry strongly preferred.</p>	<p>Undergraduate degree preferred. Certification in an eDiscovery program or related software package (i.e., Concordance, Relativity, Clearwell) helpful.</p>	<p>Certification and 1 year relevant exempt experience</p>
eDiscovery Application Analyst II	<p>Duties include multiple areas related to the eDiscovery technical environment including but not limited to: Advanced processing of Electronic Stored Information (ESI) into multiple systems including hand-on file manipulations and conversions; designing and implementing action plans to upgrade new litigation support tools within established environments by participating in Change Control Board Meetings, leading user acceptance testing efforts, and validating the rollout of new software upgrades; and integrating legal systems to improve efficiencies by creating scripts and advanced queries and introducing automated workflow concepts.</p>	<p>Three year of professional experience of which at least two years included performing tasks related to ESI Processing or upgrading and integrating technical systems. Knowledge of file manipulation applications, scripting, and the eDiscovery industry strongly preferred.</p>	<p>Undergraduate degree preferred. Certification in an eDiscovery program or related software package (i.e., Concordance, Relativity, Clearwell) helpful.</p>	<p>Certification and 3 year relevant exempt experience</p>
eDiscovery Application Analyst III	<p>Duties include multiple areas related to the eDiscovery technical environment including but not limited to: Advanced processing of Electronic Stored Information (ESI) into multiple systems including hand-on file manipulations and conversions; designing and implementing action plans to upgrade new litigation support tools within established environments by participating in Change Control Board Meetings, leading user acceptance testing efforts, and validating the rollout of new software upgrades; and integrating legal systems to improve efficiencies by creating scripts and advanced queries and introducing automated workflow concepts.</p>	<p>Five year of professional experience of which four years was spent performing tasks related to ESI Processing or upgrading and integrating technical systems. Knowledge of file manipulation applications, scripting, and the eDiscovery industry strongly preferred.</p>	<p>Undergraduate degree preferred. Certification in an eDiscovery program or related software package (i.e., Concordance, Relativity, Clearwell) helpful.</p>	<p>Certification and 5 year relevant exempt experience</p>
eDiscovery Application Analyst IV	<p>Duties include multiple areas related to the eDiscovery technical environment including but not limited to: Advanced processing of Electronic Stored Information (ESI) into multiple systems including hand-on file manipulations and conversions; designing and implementing action plans to upgrade new litigation support tools within established environments by participating in Change Control Board Meetings, leading user acceptance testing efforts, and validating the rollout of new software upgrades; and integrating legal systems to improve efficiencies by creating scripts and advanced queries and introducing automated workflow concepts.</p>	<p>Nine year of professional experience of which six years was spent performing tasks related to ESI Processing or upgrading and integrating technical systems. Knowledge of file manipulation applications, scripting, and the eDiscovery industry strongly preferred.</p>	<p>Undergraduate degree preferred. Certification in an eDiscovery program or related software package (i.e., Concordance, Relativity, Clearwell) helpful.</p>	<p>Certification and 9 year relevant exempt experience</p>

eDiscovery Coordinator I	<p>Coordinates technical aspects of electronic discovery needs and assists with strategic and legal aspects for assigned projects and matters by serving as the primary point of contact throughout the discovery lifecycle, applying in-depth knowledge and experience to provide expert consultation and advice on technology and best practices. Consults with case teams to effectively develop and apply technical strategies, requirements and goals in order to develop and implement project plans, including data collection, processing, document production and trial. Advises legal teams on technology options to respond to specific discovery needs including but not limited to recommendations for products to perform early case assessment, document search, and document reviews in the most efficient, timely, and cost effective manner. Participates in legal proceedings, i.e. 26(f) conferences, prepares affidavits, and testifying as to the defensibility of the government's e-discovery process. Ensures standard procedures for electronic discovery and litigation support projects are consistently applied across the life of the case. Coordinates efforts of others in response to discovery requests and provides regular reports and metrics as to the status of each phase of the project. Stays abreast of emerging electronic discovery litigation support technology and processes. Conducts regular briefings on new technology and process improvements with regard to electronic discovery. Responsibilities may also providing hands-on technical support such as ensuring that incoming productions are made pursuant to the applicable ESI specifications and when deficiencies are found, defining processing requirements and coordinating the completion of processing activities through vendors and/or internal resource groups, performing quality control of completed processing results, providing assistance with creating and managing review platform databases or workspaces, constructing and running complex queries, establishing and managing document review workflow processes, training end users, and generating outgoing productions.</p>	<p>One year of experience performing tasks related to the eDiscovery Coordinator duties.</p>	<p>Undergraduate degree required. Certification in an eDiscovery program or related software package (i.e., Concordance, Relativity, Clearwell) and four years of relevant experience above the minimum requirement may be substituted for a degree.</p>	<p>High School and 5 years relevant exempt experience</p>
eDiscovery Coordinator II	<p>Coordinates technical aspects of electronic discovery needs and assists with strategic and legal aspects for assigned projects and matters by serving as the primary point of contact throughout the discovery lifecycle, applying in-depth knowledge and experience to provide expert consultation and advice on technology and best practices. Consults with case teams to effectively develop and apply technical strategies, requirements and goals in order to develop and implement project plans, including data collection, processing, document production and trial. Advises legal teams on technology options to respond to specific discovery needs including but not limited to recommendations for products to perform early case assessment, document search, and document reviews in the most efficient, timely, and cost effective manner. Participates in legal proceedings, i.e. 26(f) conferences, prepares affidavits, and testifying as to the defensibility of the government's e-discovery process. Ensures standard procedures for electronic discovery and litigation support projects are consistently applied across the life of the case. Coordinates efforts of others in response to discovery requests and provides regular reports and metrics as to the status of each phase of the project. Stays abreast of emerging electronic discovery litigation support technology and processes. Conducts regular briefings on new technology and process improvements with regard to electronic discovery. Responsibilities may also providing hands-on technical support such as ensuring that incoming productions are made pursuant to the applicable ESI specifications and when deficiencies are found, defining processing requirements and coordinating the completion of processing activities through vendors and/or internal resource groups, performing quality control of completed processing results, providing assistance with creating and managing review platform databases or workspaces, constructing and running complex queries, establishing and managing document review workflow processes, training end users, and generating outgoing productions.</p>	<p>Three years of professional experience which includes at least two years performing tasks related to the eDiscovery Coordinator duties.</p>	<p>Undergraduate degree required. Certification in an eDiscovery program or related software package (i.e., Concordance, Relativity, Clearwell) and four years of relevant experience above the minimum requirement may be substituted for a degree.</p>	<p>High School and 7 years relevant exempt experience</p>

<p>eDiscovery Coordinator III</p>	<p>Coordinates technical aspects of electronic discovery needs and assists with strategic and legal aspects for assigned projects and matters by serving as the primary point of contact throughout the discovery lifecycle, applying in-depth knowledge and experience to provide expert consultation and advice on technology and best practices. Consults with case teams to effectively develop and apply technical strategies, requirements and goals in order to develop and implement project plans, including data collection, processing, document production and trial. Advises legal teams on technology options to respond to specific discovery needs including but not limited to recommendations for products to perform early case assessment, document search, and document reviews in the most efficient, timely, and cost effective manner. Participates in legal proceedings, i.e. 26(f) conferences, prepares affidavits, and testifying as to the defensibility of the government's e-discovery process. Ensures standard procedures for electronic discovery and litigation support projects are consistently applied across the life of the case. Coordinates efforts of others in response to discovery requests and provides regular reports and metrics as to the status of each phase of the project. Stays abreast of emerging electronic discovery litigation support technology and processes. Conducts regular briefings on new technology and process improvements with regard to electronic discovery. Responsibilities may also providing hands-on technical support such as ensuring that incoming productions are made pursuant to the applicable ESI specifications and when deficiencies are found, defining processing requirements and coordinating the completion of processing activities through vendors and/or internal resource groups, performing quality control of completed processing results, providing assistance with creating and managing review platform databases or workspaces, constructing and running complex queries, establishing and managing document review workflow processes, training end users, and generating outgoing productions.</p>	<p>Five year of professional experience which includes at least four years performing tasks related to the eDiscovery Coordinator duties.</p>	<p>Undergraduate degree required. Certification in an eDiscovery program or related software package (i.e., Concordance, Relativity, Clearwell) and four years of relevant experience above the minimum requirement may be substituted for a degree.</p>	<p>High School and 9 years relevant exempt experience</p>
<p>eDiscovery Coordinator IV</p>	<p>Coordinates technical aspects of electronic discovery needs and assists with strategic and legal aspects for assigned projects and matters by serving as the primary point of contact throughout the discovery lifecycle, applying in-depth knowledge and experience to provide expert consultation and advice on technology and best practices. Consults with case teams to effectively develop and apply technical strategies, requirements and goals in order to develop and implement project plans, including data collection, processing, document production and trial. Advises legal teams on technology options to respond to specific discovery needs including but not limited to recommendations for products to perform early case assessment, document search, and document reviews in the most efficient, timely, and cost effective manner. Participates in legal proceedings, i.e. 26(f) conferences, prepares affidavits, and testifying as to the defensibility of the government's e-discovery process. Ensures standard procedures for electronic discovery and litigation support projects are consistently applied across the life of the case. Coordinates efforts of others in response to discovery requests and provides regular reports and metrics as to the status of each phase of the project. Stays abreast of emerging electronic discovery litigation support technology and processes. Conducts regular briefings on new technology and process improvements with regard to electronic discovery. Responsibilities may also providing hands-on technical support such as ensuring that incoming productions are made pursuant to the applicable ESI specifications and when deficiencies are found, defining processing requirements and coordinating the completion of processing activities through vendors and/or internal resource groups, performing quality control of completed processing results, providing assistance with creating and managing review platform databases or workspaces, constructing and running complex queries, establishing and managing document review workflow processes, training end users, and generating outgoing productions.</p>	<p>Nine years of professional experience which includes at least six years performing tasks related to the eDiscovery Coordinator duties.</p>	<p>Undergraduate degree required. Certification in an eDiscovery program or related software package (i.e., Concordance, Relativity, Clearwell) and four years of relevant experience above the minimum requirement may be substituted for a degree.</p>	<p>High School and 13 years relevant exempt experience</p>

ESI Processing Specialist I**	Provides hands-on file manipulation, loading, and conversion services of Electronically Stored Information (ESI) and subsequent loading to eDiscovery review platforms. Creates and modifies files for upload into COTS products and performs individual file conversion in support ESI processing. Will be required to develop, evaluate and modify methodologies and procedures for manipulating files for use typically with COTS products and litigation support applications. Must be able to ensure the accuracy of data loading, manipulation, and conversion by performing and documenting quality and accuracy checks. Responsible for ensuring incoming productions are made pursuant to the applicable ESI specifications and when deficiencies are found, provides senior staff with notice of deficiencies.	One year of experience performing tasks related to the ESI Processing Specialist duties. Knowledge of file manipulation applications extremely helpful.	Undergraduate degree helpful. Certification in an eDiscovery program or related software package (i.e., Concordance, Relativity, Clearwell) valued.	Certification and 1 year relevant exempt experience
ESI Processing Specialist II	Provides hands-on file manipulation, loading, and conversion services of Electronically Stored Information (ESI) and subsequent loading to eDiscovery review platforms. Creates and modifies files for upload into COTS products and performs individual file conversion in support ESI processing. Will be required to develop, evaluate and modify methodologies and procedures for manipulating files for use typically with COTS products and litigation support applications. Must be able to ensure the accuracy of data loading, manipulation, and conversion by performing and documenting quality and accuracy checks. Responsible for ensuring incoming productions are made pursuant to the applicable ESI specifications and when deficiencies are found, provides senior staff with notice of deficiencies.	Three years of professional experience which includes at least two years performing tasks related to the ESI Processing Specialist duties. Knowledge of file manipulation applications extremely helpful.	Undergraduate degree helpful. Certification in an eDiscovery program or related software package (i.e., Concordance, Relativity, Clearwell) valued.	Certification and 3 year relevant exempt experience
ESI Processing Specialist III	Provides hands-on file manipulation, loading, and conversion services of Electronically Stored Information (ESI) and subsequent loading to eDiscovery review platforms. Creates and modifies files for upload into COTS products and performs individual file conversion in support ESI processing. Will be required to develop, evaluate and modify methodologies and procedures for manipulating files for use typically with COTS products and litigation support applications. Must be able to ensure the accuracy of data loading, manipulation, and conversion by performing and documenting quality and accuracy checks. Responsible for ensuring incoming productions are made pursuant to the applicable ESI specifications and when deficiencies are found, provides senior staff with notice of deficiencies.	Five years of professional experience which includes at least four years performing tasks related to the ESI Processing Specialist duties. Knowledge of file manipulation applications extremely helpful.	Undergraduate degree helpful. Certification in an eDiscovery program or related software package (i.e., Concordance, Relativity, Clearwell) valued.	Certification and 5 year relevant exempt experience
ESI Processing Specialist IV	Provides hands-on file manipulation, loading, and conversion services of Electronically Stored Information (ESI) and subsequent loading to eDiscovery review platforms. Creates and modifies files for upload into COTS products and performs individual file conversion in support ESI processing. Will be required to develop, evaluate and modify methodologies and procedures for manipulating files for use typically with COTS products and litigation support applications. Must be able to ensure the accuracy of data loading, manipulation, and conversion by performing and documenting quality and accuracy checks. Responsible for ensuring incoming productions are made pursuant to the applicable ESI specifications and when deficiencies are found, provides senior staff with notice of deficiencies.	Nine years of professional experience which includes at least six years performing tasks related to the ESI Processing Specialist duties. Knowledge of file manipulation applications extremely helpful.	Undergraduate degree helpful. Certification in an eDiscovery program or related software package (i.e., Concordance, Relativity, Clearwell) valued.	Certification and 9 year relevant exempt experience
General Clerk I**	Under direct supervision, performs clerical duties such as answering telephone calls, letters, and e-mails, and providing standardized responses; opening and sorting mail; and filing and copying materials.	Capability to take and follow directions from supervisor and excellent organizational skills required.	Completion of the eleventh grade of high school.	General Education Diploma
General Clerk II**	Under direct supervision, performs clerical duties such as answering telephone calls, letters, and e-mails, and providing standardized responses; opening and sorting mail; and filing and copying materials.	One year of experience in performing clerical duties. Capability to take and follow directions from supervisor and excellent organizational skills required.	High school diploma or GED certificate.	General Education Diploma and 1 years relevant exempt experience
General Clerk III**	Under direct supervision, performs clerical duties such as answering telephone calls, letters, and e-mails, and providing standardized responses; opening and sorting mail; and filing and copying materials.	Two years of experience in performing clerical duties. Capability to take and follow directions from supervisor and excellent organizational skills required.	High school diploma or GED certificate.	General Education Diploma and 2 years relevant exempt experience

Information Specialist I	Responds to information requests in specific subject areas and, following established guidelines, gathers, prepares, and summarizes relevant materials for use by other project staff, the client, or the client's customers. Assists with a wide variety of tasks related to identifying, cataloging, storing, maintaining, retrieving, and disseminating information.	Three years of experience in compiling, analyzing, and synthesizing information to support project task requirements. Requires knowledge of information resources, excellent analytical capabilities and written and oral communications skills, and ability to consistently deliver highest quality work under extreme pressure and tight deadlines.	Bachelor's degree. Three years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's degree.	High School and 7 years relevant exempt experience
Information Specialist II	Responds to information requests in specific subject areas and, following established guidelines, gathers, prepares, and summarizes relevant materials for use by other project staff, the client, or the client's customers. Assists with a wide variety of tasks related to identifying, cataloging, storing, maintaining, retrieving, and disseminating information.	Five years of experience in compiling, analyzing, and synthesizing information to support project task requirements. Requires knowledge of information resources, excellent analytical capabilities and written and oral communications skills, and ability to consistently deliver highest quality work under extreme pressure and tight deadlines.	Bachelor's degree. Five years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's degree.	High School and 9 years relevant exempt experience
Information Specialist III	Responds to information requests in specific subject areas and, following established guidelines, gathers, prepares, and summarizes relevant materials for use by other project staff, the client, or the client's customers. Assists with a wide variety of tasks related to identifying, cataloging, storing, maintaining, retrieving, and disseminating information.	Nine years of experience in compiling, analyzing, and synthesizing information to support project task requirements. Requires knowledge of information resources, excellent analytical capabilities and written and oral communications skills, and ability to consistently deliver highest quality work under extreme pressure and tight deadlines.	Bachelor's degree. Seven years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's degree.	High School and 13 years relevant exempt experience
IS/DP Manager	Consults with Contractor and Government management to identify systems requirements and makes recommendations for technical solutions to system problems. Manages a systems project through all phases, including applications development, applications maintenance, systems documentation, quality assurance, and user support; provides technical advice, supervision, and guidance to the data processing team; evaluates programs in terms of efficiency, effectiveness, quality, and interoperability with client systems; evaluates and develops systems software and hardware requirements along with short and long range planning, including systems integration solutions and telecommunications requirements; translates advanced concepts into practical and effective solutions using structured techniques to define requirements; develops feasible alternatives and estimates costs of implementation. Makes presentations to a variety of audiences, including non-technical personnel. May have supervisory or managerial responsibilities.	Nine years of professional experience with at least six years in designing, implementing, and troubleshooting applications using the software or technology for which consulting services are required. For example, if a project involves a large-scale Oracle application in a Unix environment, the candidate will have experience in developing large-scale Oracle applications employing and integrating a variety of Oracle products, features, and capabilities, such as Forms and Reports, PL/SQL functions and procedures, and Intermedia Text, together with user exits to other programs, and interactions with operating system shell scripts. Other projects will require other sets of skills and competencies. Candidates must demonstrate a successful history of difficult and complex problem solving with respect to the appropriate systems. Excellent oral and written communications skills required. Litigation support experience helpful.	Bachelor's degree. Ten years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's degree.	High School and 13 years relevant exempt experience
Librarian I	Experience working with electronic records and record keeping systems and cataloging records required. Excellent oral and written communication skills and excellent end-user interaction skills required. Participates in developing policies, plans, and objectives for carrying out programs to operate a document delivery and archive system for agency collections. Organizes and implements systems for managing the basic flow of information requests to provide efficient services. Assists users by responding to inquiries for materials not contained in the collections and consults all available sources, including indexes, abstracts, bibliographies, and the World Wide Web and determines which tools will efficiently produce accurate information. Participates in determining policy regarding extent to which the library records information centers can provide services and advises user groups on the strengths and limitations in the collections. In addition, explores and maintains awareness of new technologies; provides database support to add new records and edit existing records in the collection management system; classifies and retrieves archived records; provides assistance in establishing computerized indexes; suggests enhancements to any electronic system created for tracking statistical data involving the accessioning and deaccessioning of archived materials; and processes records into the archives following documented NARA procedures and guidelines	Three years of professional experience which includes at least two years of experience in maintaining collections of books, serial publications, audiovisuals, periodicals, documents, films, recordings, and other materials, and in assisting groups and individuals with locating and obtaining these materials. Knowledge of records management, library, and database management systems required. Requires ability to furnish reference information, organize collections, and contribute to and follow established written procedures.	Degree in Library and Information Science or a degree in a Records Management related field.	High School and 7 years relevant exempt experience

Librarian II	<p>Participates in developing policies, plans, and objectives for carrying out programs to operate a document delivery and archive system for agency collections. Organizes and implements systems for managing the basic flow of information requests to provide efficient services. Assists users by responding to inquiries for materials not contained in the collections and consults all available sources, including indexes, abstracts, bibliographies, and the World Wide Web and determines which tools will efficiently produce accurate information. Participates in determining policy regarding extent to which the library records information centers can provide services and advises user groups on the strengths and limitations in the collections. In addition, explores and maintains awareness of new technologies; provides database support to add new records and edit existing records in the collection management system; classifies and retrieves archived records; provides assistance in establishing computerized indexes; suggests enhancements to any electronic system created for tracking statistical data involving the accessioning and deaccessioning of archived materials; and processes records into the archives following documented NARA procedures and guidelines.</p>	<p>Five years of professional experience which includes at least four years of maintaining collections of books, serial publications, audiovisuals, periodicals, documents, films, recordings, and other materials, and in assisting groups and individuals with locating and obtaining these materials. Knowledge of records management, library, and database management systems required. Requires ability to furnish reference information, organize collections, and contribute to and follow established written procedures. Experience working with electronic records and record keeping systems and cataloging records required. Excellent oral and written communication skills and excellent end-user interaction skills required.</p>	<p>Degree in Library and Information Science or a degree in a Records Management related field.</p>	<p>High School and 9 years relevant exempt experience</p>
Librarian III	<p>Participates in developing policies, plans, and objectives for carrying out programs to operate a document delivery and archive system for agency collections. Organizes and implements systems for managing the basic flow of information requests to provide efficient services. Assists users by responding to inquiries for materials not contained in the collections and consults all available sources, including indexes, abstracts, bibliographies, and the World Wide Web and determines which tools will efficiently produce accurate information. Participates in determining policy regarding extent to which the library records information centers can provide services and advises user groups on the strengths and limitations in the collections. In addition, explores and maintains awareness of new technologies; provides database support to add new records and edit existing records in the collection management system; classifies and retrieves archived records; provides assistance in establishing computerized indexes; suggests enhancements to any electronic system created for tracking statistical data involving the accessioning and deaccessioning of archived materials; and processes records into the archives following documented NARA procedures and guidelines.</p>	<p>Nine years of professional experience which includes at least six years of maintaining collections of books, serial publications, audiovisuals, periodicals, documents, films, recordings, and other materials, and in assisting groups and individuals with locating and obtaining these materials. Knowledge of records management, library, and database management systems required. Requires ability to furnish reference information, organize collections, and contribute to and follow established written procedures. Experience working with electronic records and record keeping systems and cataloging records required. Excellent oral and written communication skills and excellent end-user interaction skills required.</p>	<p>Degree in Library and Information Science or a degree in a Records Management related field.</p>	<p>High School and 13 years relevant exempt experience</p>
Library Technician**	<p>Accepts requests from users and answers questions on library policies and procedures, locates and retrieves requested materials, and shelves library material. Responsible for maintaining the correct order of the collections; for pulling and retiring obsolete material from the collections; and for selecting, packaging, annotating, and forwarding material for binding. Utilizes the library catalog and general subject indexes to retrieve call number or correct bibliographic citations for requested items and responds to email, walk-in, and telephone requests.</p>	<p>Two years of library or records center experience. Previous experience on other Government contracts preferred. Compiles records; sorts and shelves books; and issues and receives library materials such as books, films, and phonograph records. Requires knowledge of general technical support activities in records processing, keyboarding expertise, good communication skills, and good computer skills.</p>	<p>Bachelor's degree.</p>	<p>High School and 6 years relevant exempt experience</p>
Management Analyst I	<p>Performs financial tracking and management tasks, including using spreadsheets to develop and monitor budgets, reviewing all project-related expenses for eligibility, preparing financial reports, and tracking subcontractor and consultant expenses. Ensures mathematical correctness of submitted expenses and identifies problem expenses for management intervention. Working with management, suggests planning and management controls for improvement, including expanded usage of management information systems and other automated tools.</p>	<p>Three years of professional experience which includes at least two years performing business management and financial accounting-related work. Experience should also include one year of related experience specifically on Government contracts. Knowledge of Excel and/or other spreadsheet software applications required</p>	<p>Bachelor's degree in a business-related field.</p>	<p>High School and 7 years relevant exempt experience</p>

Management Analyst II	<p>Performs financial tracking and management tasks, including using spreadsheets to develop and monitor budgets, reviewing all project-related expenses for eligibility, preparing financial reports, and tracking subcontractor and consultant expenses. Ensures mathematical correctness of submitted expenses and identifies problem expenses for management intervention. Working with management, suggests planning and management controls for improvement, including expanded usage of management information systems and other automated tools.</p>	<p>Five years of professional experience which includes at least three years performing business management and financial accounting-related work. Experience should also include one year of related experience specifically on Government contracts. Knowledge of Excel and/or other spreadsheet software applications required</p>	<p>Bachelor's degree in a business-related field.</p>	<p>High School and 9 years relevant exempt experience</p>
Network Administrator I**	<p>Experience in the installation of cabling. Demonstrated experience in data communications and related hardware such as modems, encryption devices, and multiplexers. Excellent oral and written communication skills and end user interaction skills required. A subspecialty under the Network Administrator labor category is the administration of Internet sites, for which experience in the Internet technologies, protocols, and products is required in addition to or in place of LAN experience. Sets up, installs, modifies, and maintains local area networks, primarily for internal staff use in the performance of contracted efforts. Troubleshoots and makes necessary adjustments in the network operating system, networked software, and related hardware components to maintain reliability of all systems and hardware. Works with other contract ADP staff to install, test, modify and maintain distributed processing databases on the LAN. Receives task assignments from the Project Manager or from other more senior data processing staff. A sub-specialty within this labor category is the set-up, installation, modification, and maintenance of Internet nodes, sites, and Web pages, as well as interconnections to the Internet.</p>	<p>Three years of professional experience which includes at least two years of experience in the set-up, installation, testing, debugging, modification, and maintenance of networks using industry-standard technologies and protocols such as TCP/IP, Ethernet, or Token Ring, and widely used networking products such as Novell Netware and MS Network. Demonstrated experience in the use of LAN to LAN and LAN to WAN connectors such as bridges, routers, and gateways.</p>	<p>Bachelor's degree; computer science or related discipline preferred. An Associate's degree in a related field and two years of additional directly related work experience or an IT-related Certificate Program and two years of additional directly related work experience may be substituted for the Bachelor's degree.</p>	<p>High School and 7 years relevant exempt experience</p>
Network Administrator II**	<p>Sets up, installs, modifies, and maintains local area networks, primarily for staff use in the performance of contracted efforts. Troubleshoots and makes necessary adjustments in the network operating system, networked software, and related hardware components to maintain reliability of all systems and hardware. Works with other contract ADP staff to install, test, modify and maintain distributed processing databases on the LAN. Receives task assignments from the Project Manager or from other more senior data processing staff. A sub-specialty within this labor category is the set-up, installation, modification, and maintenance of Internet nodes, sites, and Web pages, as well as interconnections to the Internet.</p>	<p>Five years of professional experience which includes at least four years of experience in the set-up, installation, testing, debugging, modification, and maintenance of networks using industry-standard technologies and protocols such as TCP/IP, Ethernet, or Token Ring, and widely used networking products such as Novell Netware and MS Network. Demonstrated experience in the use of LAN-to-LAN and LAN-to-WAN connectors such as bridges, routers, and gateways. Experience in the installation of cabling. Demonstrated experience in data communications and related hardware such as modems, encryption devices, and multiplexers. A sub-specialty under this labor category is the administration of Internet sites, for which experience in the Internet technologies, protocols, and products is required in addition to or in place of LAN experience.</p>	<p>Bachelor's degree; computer science or related discipline preferred.</p>	<p>High School and 9 years relevant exempt experience</p>
Network Administrator III	<p>Experience in the installation of cabling. Demonstrated experience in data communications and related hardware such as modems, encryption devices, and multiplexers. A sub-specialty under this labor category is the administration of Internet sites, for which experience in the Internet technologies, protocols, and products is required in addition to or in place of LAN experience. Sets up, installs, modifies, and maintains local area networks, primarily for staff use in the performance of contracted efforts. Troubleshoots and makes necessary adjustments in the network operating system, networked software, and related hardware components to maintain reliability of all systems and hardware. Works with other contract ADP staff to install, test, modify and maintain distributed processing databases on the LAN. Receives task assignments from the Project Manager or from other more senior data processing staff. A sub-specialty within this labor category is the set-up, installation, modification, and maintenance of Internet nodes, sites, and Web pages, as well as interconnections to the Internet.</p>	<p>Nine years of professional experience which includes at least six years of experience in the set-up, installation, testing, debugging, modification, and maintenance of networks using industry standard technologies and protocols such as TCP/IP, Ethernet, or Token Ring, and widely used networking products such as Novell Netware and MS Network. Demonstrated experience in the use of LAN-to-LAN and LAN-to-WAN connectors such as bridges, routers, and gateways.</p>	<p>Bachelor's degree; computer science or related discipline preferred. An Associate's degree in a related field and four years of additional directly related work experience or an IT-related Certificate Program and four years of additional directly related work experience may be substituted for the Bachelor's degree.</p>	<p>High School and 13 years relevant exempt experience</p>

Paralegal I**	<p>Performs the following tasks while complying with established procedures: compiles, prepares, and summarizes relevant materials for use by attorneys in discovery and in preparation of motions, briefs and other legal documents; summarizes depositions and other transcripts; maintains case files; performs simple legal research; indexes, tracks and controls document discovery (including documents produced and received in discovery); indexes, tracks and exhibits and other materials at depositions and at trial. Prepares exhibit cross- references. Assists attorneys in courtroom. Reviews documents for relevance and privilege according to established guidelines and criteria. Other examples of the types of work to be performed include compilation of documents for FOIA, production requests, Congressional inquiries, etc.</p>	<p>One year of professional experience with basic legal knowledge, including knowledge of standard legal citation to cite check legal motions and memorandum and must have sufficient experience with legal research tools such as LEXIS and Westlaw to perform basic legal research. Requires excellent written and oral communication skills, thorough knowledge and hands-on familiarity with a variety of computer applications, including word processing, databases (such as document review and file management systems), spreadsheets, imaging, and hardware systems. Role also requires basic familiarity with ESI tools and knowledge of e-discovery procedures and resources. Ability to consistently deliver highest quality work under extreme pressure will be very important.</p>	<p>Requires paralegal certificate. An equivalent level of legal training may be substituted with the approval of the COR.</p>	<p>Certification and 1 year relevant exempt experience</p>
Paralegal II**	<p>Work products are reviewed prior to submission; however, often develops these products with minimal direct supervision other than written guidelines. In addition to functions performed by Paralegals, described below, performs moderately complex legal research; synthesizes transcripts of hearings and oral arguments for attorney use; reviews case related materials and, for example, identifies potentially conflicting statements or areas requiring further investigation; writes preliminary drafts of simple legal m</p>	<p>One year of litigation paralegal experience required; trial experience very helpful. Automated litigation support experience valued. Must have basic legal knowledge, including knowledge of standard legal citation to cite check legal motions and memorandum and must have sufficient experience with legal research tools such as LEXIS and Westlaw to perform basic legal research. Requires excellent written and oral communication skills, thorough knowledge and hands-on familiarity with a variety of computer applications, including word processing, databases (such as document review and file management systems), spreadsheets, imaging, and hardware systems. Role also requires basic familiarity with ESI tools and knowledge of e-discovery procedures and resources. Ability to consistently deliver highest quality work under extreme pressure will be very important.</p>	<p>Requires paralegal certificate. An equivalent level of legal training may be substituted with the approval of the COR.</p>	<p>Certification and 1 year relevant exempt experience</p>
Paralegal III**	<p>Performs complex legal research for the trial staff. Assists in preparing draft legal documents, such as motions, briefs, memoranda of law, etc. reviewing documents for relevance and privilege; and assisting attorneys with all phases of litigation.</p>	<p>Must have at least two years of litigation paralegal or law clerk experience required; trial experience very helpful. Automated litigation support experience valued. Requires sound working knowledge of federal and state court systems, legal research procedures, and legal research resources. Requires excellent written and oral communication skills and thorough knowledge of legal research tools such as LEXIS and Westlaw. Must have hands-on familiarity with a variety of computer applications, including word processing, databases (such as document review and file management systems), spreadsheets, and imaging. Role also requires hands-on familiarity with ESI tools and knowledge of e-discovery procedures and resources.</p>	<p>Requires a paralegal certificate or the completion of at least one year of study in an ABA-accredited Law degree program. An equivalent level of legal training may be substituted with the approval of the COR.</p>	<p>Certification and 2 year relevant exempt experience</p>
Paralegal IV**	<p>Performs complex legal research; prepares draft legal documents, such as motions, briefs, memoranda of law, etc.; reviews documents for relevance and privilege; and assists attorneys with all phases of litigation. Acts independently and/or as a team leader on larger projects. Responsibilities may include acting as primary interface with trial attorneys, experts, and other client staff.</p>	<p>Must have at least three years of progressively more responsible experience on litigation support projects including proven capabilities and communication skills to successfully interact with clients and attorneys. Requires sound working knowledge of federal and state court systems, legal research procedures, and legal research resources. Requires excellent written and oral communication skills and thorough knowledge of legal research tools such as LEXIS and Westlaw. Must have hands-on familiarity with a variety of computer applications, including word processing, databases (such as document review and file management systems), spreadsheets, and imaging. Role also requires hands-on familiarity with ESI tools and knowledge of e-discovery procedures and resources.</p>	<p>Requires a paralegal certificate or the completion of at least one year of study in an ABA-accredited Law degree program. An equivalent level of legal training may be substituted with the approval of the COR.</p>	<p>Certification and 3 year relevant exempt experience</p>

Production Manager	<p>Supervises and trains nonexempt staff. Arranges activities and plans schedules to meet deliverables. Assists in tracking and measuring task performance. Responsible for document receiving and shipping, document preparation, document number labeling, document photocopying, document coding, and document processing tracking and productivity reporting, except those performed within a Document Center. Also responsible for being the liaison and coordinating activities between document preparation/processing activities and document imaging. Manages all of these tasks for scope of work, schedule, budget, and adherence to accuracy and quality standards.</p>	<p>Nine years of professional experience which includes at least four years of supervising and coordinating one or more primary tasks listed under the Functional Responsibility. Has complete understanding of the principles, concepts, and practices of assigned tasks.</p>	<p>Bachelor's Degree. Ten years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's Degree.</p>	<p>High School and 13 years relevant exempt experience</p>
Production Supervisor	<p>Provides staff support. Monitors staff productivity, attendance, quality, and ensures that tasks are completed in a timely and accurate manner. Provides feedback to manager on status of tasks, accomplishments, problems, staff needs, and concerns. Responsible for supervising document receiving and shipping, document preparation, document number labeling, document photocopying, and document processing tracking and productivity reporting, except those performed within a Document Center. Responsible for conducting the liaison and coordination activities between document preparation/processing activities and document imaging. Supervises all of these tasks for scope of work, schedule, budget, and adherence to accuracy and quality standards.</p>	<p>Five years of professional experience which includes at least four years of experience in coordinating job assignments and workflow similar to those listed under the Functional Responsibility.</p>	<p>High school diploma or GED certificate and some technical school or specialized training.</p>	<p>General Education Diploma and 5 years relevant exempt experience</p>
Programmer I	<p>Working under the direction of more senior IT personnel, develops, modifies, and maintains complex computer application programs, which may produce several different but interrelated products. The programs may be oriented to transaction processing, database creation and maintenance, management and tracking systems, analytical applications, or other specialized requirements. Translates program requirements from specification documents into program code. Codes, tests, and debugs programs, and also tests complete systems or system components as directed. Documents programs and system logic in accordance with contractual specifications or industry standards.</p>	<p>One year of programming experience, including experience in the specific programming language, database management system, or software package to be used for a given assignment, and one year of experience in the general functional area addressed by the task requirement.</p>	<p>Bachelor's degree; computer science or related discipline preferred. An Associate's degree in a related field and two years of additional directly related work experience or an IT-related Certificate Program and two years of additional directly related work experience may be substituted for the Bachelor's degree.</p>	<p>High School and 5 years relevant exempt experience</p>
Programmer II	<p>Working under the direction of more senior IT personnel, develops, modifies, and maintains complex computer application programs, which may produce several different but interrelated products. The programs may be oriented to transaction processing, database creation and maintenance, management and tracking systems, analytical applications, or other specialized requirements. Translates program requirements from specification documents into program code. Codes, tests, and debugs programs, and also tests complete systems or system components as directed. Documents programs and system logic in accordance with contractual specifications or industry standards.</p>	<p>Three years of professional experience which includes at least two years of progressively more complex programming experience in the specific programming language, database management system, or software package to be used for a given assignment, and experience in the general functional area addressed by the task requirement.</p>	<p>Bachelor's degree; computer science or related discipline preferred. An Associate's degree in a related field and three years of additional directly related work experience or an IT-related Certificate Program and three years of additional directly related work experience may be substituted for the Bachelor's degree.</p>	<p>High School and 7 years relevant exempt experience</p>
Programmer III	<p>Working under the direction of more senior IT personnel, develops, modifies, and maintains complex computer application programs which may produce several different but interrelated products. The programs may be oriented to transaction processing, database creation and maintenance, management and tracking systems, analytical applications, or other specialized requirements. Translates program requirements from specification documents into program code. Codes, tests, and debugs programs, and also tests complete systems or system components as directed. Documents programs and system logic in accordance with contractual specifications or industry standards.</p>	<p>Five years of professional experience which includes at least four years of progressively more complex programming experience in the specific programming language, database management system, or software package to be used for a given assignment, and experience in the general functional area addressed by the task requirement.</p>	<p>Bachelor's degree; computer science or related discipline preferred. An Associate's degree in a related field and four years of additional directly related work experience or an IT-related Certificate Program and four years of additional directly related work experience may be substituted for the Bachelor's degree.</p>	<p>High School and 9 years relevant exempt experience</p>

Programmer IV	Working under the direction of more senior IT personnel, develops, modifies, and maintains complex computer application programs, which may produce several different but interrelated products. The programs may be oriented to transaction processing, database creation and maintenance, management and tracking systems, analytical applications, or other specialized requirements. Translates program requirements from specification documents into program code. Codes, tests, and debugs programs, and also tests complete systems or system components as directed. Documents programs and system logic in accordance with contractual specifications or industry standards.	Nine years of professional experience which includes at least 6 years of progressively more complex programming experience in the specific programming language, database management system, or software package to be used for a given assignment, and experience in the general functional area addressed by the task requirement.	Bachelor's degree; computer science or related discipline preferred. An Associate's degree in a related field and five years of additional directly related work experience or an IT-related Certificate Program and five years of additional directly related work experience may be substituted for the Bachelor's degree.	High School and 13 years relevant exempt experience
Project Director	Responsible for coordinating the activities of several Project Managers, or of managing a single large, complex, mission critical project. Generally reports to a high level manager in the Government client organization and to a senior corporate officer. Directs and coordinates all resources assigned to a group of projects, corporate-wide support resources, and possibly subordinate Project Manager staff. Consults with the COTR and other Government managers concerning overall support operations, scheduling, work assignments, staffing, progress reporting, security, etc. Responsible for overall quality assurance and timeliness of all deliverables and support functions.	Ten years of professional experience with at least six years of Project Manager experience or the equivalent. Demonstrated ability to manage numerous complex and time critical support activities simultaneously, including technical/data processing support activities. Requires expert knowledge of the functional area in which support is being provided, and outstanding written and oral communication skills. Must be able to anticipate support needs and develop and execute detailed plans for meeting those needs. Requires broad knowledge of the Government's document and imaging environments and standards, and familiarity with the specific environment of the client agency.	Bachelor's Degree required. Master's degree in a related field or other graduate degree (e.g., J.D., or Ph.D.) with substantial credits in management-related areas desired.	High School and 14 years relevant exempt experience
Project Executive	Directs all financial and quality assurance activities and oversees strategic planning and program development, drawing upon technical insight and understanding in related disciplines. Has ultimate responsibility for ensuring completion of work products and deliverables on time, within budget, and to the client's satisfaction.	Fourteen years of professional experience with at least eight years of Project Manager experience or the equivalent including at least five years of experience managing projects with more than 20 staff, and multiple subcontractors and consultants. Demonstrated ability to manage numerous complex and time-critical information support activities simultaneously.	Master's degree in IT or management-related field. Master's degree in another field or other graduate degree (e.g., J.D., or Ph.D.) with substantial credits in management-related areas also acceptable. A Bachelor's degree plus six years of additional, directly related work experience (over and above the minimum experience requirements for this position) may be substituted for the Master's degree.	High School and 19 years relevant exempt experience; Bachelors and 18 years relative exempt experience
Project Manager I	Primary responsibility for all contractor support provided to a particular project. Serves as the Government's primary point of contact for all support provided to the project, and as such will have frequent contact with the cognizant Government manager(s) and client agency staff. Responsible for planning and managing all support for the project, including monitoring workflow, progress reporting to both the Government and contractor corporate management, identifying and assigning staff, budget development and tracking, coordinating technical/data processing support, and obtaining other required resources. Ensures that proper security is maintained overall project materials in accordance with required security procedures. Performs an active quality assurance role to ensure high quality work delivered on time and in accordance with contractual specifications. Coordinates with other internal corporate components and resources to deliver project support.	Two years of experience in office, imaging, and document solutions related work, one year of which involved progressively more responsible supervisory and management experience. Demonstrated ability to manage numerous complex and time-critical activities simultaneously, including technical related activities. Requires expert knowledge of the functional area addressed by the project; general knowledge of Government imaging and document management environments, standards, and procedures; and specific knowledge and experience in the client's imaging and document management environment. Excellent oral and written communications skills and an ability to work and effectively communicate with technical and managerial personnel are required.	Bachelor's degree.	High School and 6 years relevant exempt experience

Project Manager II	<p>Primary responsibility for all contractor support provided to a particular project. Serves as the Government's primary point of contact for all support provided to the project, and as such will have frequent contact with the cognizant Government manager(s) and client agency staff. Responsible for planning and managing all support for the project, including monitoring workflow, progress reporting to both the Government and contractor corporate management, identifying and assigning staff, budget development and tracking, coordinating technical/data processing support, and obtaining other required resources. Ensures that proper security is maintained overall project materials in accordance with required security procedures. Performs an active quality assurance role to ensure high quality work delivered on time and in accordance with contractual specifications. Coordinates with other internal corporate components and resources to deliver project support.</p>	<p>Three years of experience in office, imaging, and document solutions related work, two years of which involved progressively more responsible supervisory and management experience. Demonstrated ability to manage numerous complex and time-critical activities simultaneously, including technical related activities. Requires expert knowledge of the functional area addressed by the project; general knowledge of Government imaging and document management environments, standards, and procedures; and specific knowledge and experience in the client's imaging and document management environment. Excellent oral and written communications skills and an ability to work and effectively communicate with technical and managerial personnel are required.</p>	<p>Bachelor's degree.</p>	<p>High School and 7 years relevant exempt experience</p>
Project Manager III	<p>Primary responsibility for all contractor support provided to a particular project. Serves as the Government's primary point of contact for all support provided to the project, and as such will have frequent contact with the cognizant Government manager(s) and client agency staff. Responsible for planning and managing all support for the project, including monitoring workflow, progress reporting to both the Government and contractor corporate management, identifying and assigning staff, budget development and tracking, coordinating technical/data processing support, and obtaining other required resources. Ensures that proper security is maintained overall project materials in accordance with required security procedures. Performs an active quality assurance role to ensure high quality work delivered on time and in accordance with contractual specifications. Coordinates with other internal corporate components and resources to deliver project support.</p>	<p>Six years of experience in office, imaging, and document solutions related work, three years of which involved progressively more responsible supervisory and management experience. Demonstrated ability to manage numerous complex and time-critical activities simultaneously, including technical related activities. Requires expert knowledge of the functional area addressed by the project; general knowledge of Government imaging and document management environments, standards, and procedures; and specific knowledge and experience in the client's imaging and document management environment. Excellent oral and written communications skills and an ability to work and effectively communicate with technical and managerial personnel are required.</p>	<p>Bachelor's degree.</p>	<p>High School and 10 years relevant exempt experience</p>
Project Manager IV	<p>Primary responsibility for all contractor support provided to a particular project. Serves as the Government's primary point of contact for all support provided to the project, and as such will have frequent contact with the cognizant Government manager(s) and client agency staff. Responsible for planning and managing all support for the project, including monitoring workflow, progress reporting to both the Government and contractor corporate management, identifying and assigning staff, budget development and tracking, coordinating technical/data processing support, and obtaining other required resources. Ensures that proper security is maintained overall project materials in accordance with required security procedures. Performs an active quality assurance role to ensure high quality work delivered on time and in accordance with contractual specifications. Coordinates with other internal corporate components and resources to deliver project support.</p>	<p>Nine years of experience in office, imaging, and document solutions related work, four years of which involved progressively more responsible supervisory and management experience. Demonstrated ability to manage numerous complex and time-critical activities simultaneously, including technical related activities. Requires expert knowledge of the functional area addressed by the project; general knowledge of Government imaging and document management environments, standards, and procedures; and specific knowledge and experience in the client's imaging and document management environment. Excellent oral and written communications skills and an ability to work and effectively communicate with technical and managerial personnel are required.</p>	<p>Bachelor's degree.</p>	<p>High School and 13 years relevant exempt experience</p>
Project Supervisor	<p>Supervises critical project operational areas, including staff recruitment, hiring, development, and evaluation; performance monitoring; project reporting; and development and implementation of project policies and procedures. Supervises the development and execution of project plans and completion of project deliverables.</p>	<p>Four years of experience in office, imaging, and document-related work, including two years of progressively more responsible supervisory experience. Demonstrated ability to supervise numerous complex and time-critical activities simultaneously.</p>	<p>Bachelor's degree. Four years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's degree.</p>	<p>High School and 8 years relative exempt experience</p>

Records Analyst I**	<p>Operates and maintains records system, including receipt, storage, retrieval and disposition. Adheres to documented legal requirements and government regulations affecting retention, dissemination, access, and storage of information. May perform other clerical duties such as typing, filing, mail sorting, preparing reports, and summarizing findings.</p>	<p>One year of experience providing records management support services in a library, museum, or historical association, including reference activities. Familiarity in using and applying established records management guidelines and policies; knowledge of current archival standards and practices; ability to present archival practices to volunteers or lay persons in the historical records community; excellent oral and written skills, effective group leadership and facilitation skills; familiarity with use and development of World Wide Web resources.</p>	<p>Bachelor's degree in History or related field. Master's degree in Archival Administration, Library Science, History, or related field preferred.</p>	<p>High School and 5 years relevant exempt experience</p>
Records Analyst II	<p>Conducts records management activities, applying advanced methods, techniques, and technologies to problems of increasing difficulty. Operates and maintains records system, including receipt, storage, retrieval, and disposition. Adheres to documented legal requirements and government regulations affecting retention, dissemination, access, and storage of information. Verifies accuracy and completeness of paperwork required to create or modify a record; verifies authenticity of supporting documents; clarifies discrepancies. Processes records online; retrieves and corrects data to ensure integrity of database.</p>	<p>Three years of professional experience which includes at least 2 years providing records management support services in a library, museum, or historical association. Familiarity in using and applying established records management guidelines and policies. Experience should include one or more of the following: program development and planning, appraisal of archival and manuscript records, archival description, reference, surveying and collecting, archival automation, and donor relations. Knowledge of current archival standards and practices; ability to present archival practices to volunteers or lay persons in the historical records community; excellent oral and written skills, effective group leadership and facilitation skills; familiarity with use and development of World Wide Web resources.</p>	<p>Bachelor's degree in History or related field. Master's degree in Archival Administration, Library Science, History, or related field preferred.</p>	<p>High School and 7 years relevant exempt experience</p>
Records Analyst III	<p>Conducts records management activities, applying advanced methods, techniques, and technologies to problems of increasing difficulty. Operates and maintains records system, including receipt, storage, retrieval, and disposition. Ensures compliance with legal requirements and government regulations affecting retention, dissemination, access, and storage of information. Verifies accuracy and completeness of paperwork required to create or modify a record; verifies authenticity of supporting documents; clarifies discrepancies. Processes records online; retrieves and corrects data to ensure integrity of database.</p>	<p>Five years of professional experience which includes at least 4 years providing records management support services in a library, museum, or historical association. Familiarity in using and applying established records management guidelines and policies. Experience should include one or more of the following: program development and planning, appraisal of archival and manuscript records, archival description, reference, surveying and collecting, archival automation, and donor relations. Knowledge of current archival standards and practices; ability to present archival practices to volunteers or lay persons in the historical records community; excellent oral and written skills, effective group leadership and facilitation skills; familiarity with use and development of World Wide Web resources.</p>	<p>Bachelor's degree in History or related field. Master's degree in Archival Administration, Library Science, History, or related field preferred.</p>	<p>High School and 9 years relevant exempt experience</p>
Records Analyst IV	<p>Conducts records management activities, applying advanced methods, techniques, and technologies to problems of increasing difficulty. Operates and maintains records system, including receipt, storage, retrieval, and disposition. Ensures compliance with legal requirements and government regulations affecting retention, dissemination, access, and storage of information. Verifies accuracy and completeness of paperwork required to create or modify a record; verifies authenticity of supporting documents; clarifies discrepancies. Processes records online; retrieves and corrects data to ensure integrity of database.</p>	<p>Nine years of professional experience which includes at least 6 years providing records management support services in a library, museum, or historical association. Familiarity in using and applying established records management guidelines and policies. Experience should include one or more of the following: program development and planning, appraisal of archival and manuscript records, archival description, reference, surveying and collecting, archival automation, and donor relations. Knowledge of current archival standards and practices; ability to present archival practices to volunteers or lay persons in the historical records community; excellent oral and written skills, effective group leadership and facilitation skills; familiarity with use and development of World Wide Web resources.</p>	<p>Bachelor's degree in History or related field. Master's degree in Archival Administration, Library Science, History, or related field preferred.</p>	<p>High School and 13 years relevant exempt experience</p>

Records Specialist	<p>Requires familiarity with archival cataloging in automated systems and with applying such standards for cataloging; knowledge of basic archival processes, including selection of materials for retention and organization of materials into logical groupings; research and reference expertise; experience in computerized management of electronic records; ability to use the Internet; strong communication skills; good computer skills; ability to write well; and good presentation skills. Implements, administers, and manages the system to classify and retrieve archived records and manuscripts, including developing and maintaining the database of these records in the collection management system. Provides research and reference services; develops, administers, and enhances all electronic systems created for tracking statistical data involving the accessioning and deaccessioning of archived materials; develops, negotiates, monitors, and oversees rules and procedures for maintenance of records following NARA guidelines; develops and monitors standards, guidelines, and formal agreements for accessioning records and material and deaccessioning records to other repositories; and prepares and updates operating manuals and guidelines that ensure the protection of documents at every stage of their life cycle. Performs random evaluations of archives for quality control of document processing and maintenance; maintains a sustained high level of customer service; attends and contributes to relevant professional activities and meetings dealing with archives and archival preservation; and prepares statistical and narrative reports.</p>	<p>Three years of professional experience which includes at least 2 years of experience in archiving records including document and data management using automation. Appraises and edits permanent records and historically valuable documents. Participates in research activities based on archival materials and direct safekeeping of permanent records, documents, and other archival materials.</p>	<p>Graduate degree in History or Archival Studies or in Library and Information Science (MLS).</p>	<p>High School and 8 years relative exempt experience; Bachelors and 4 years relevant exempt experience</p>
Research Analyst I	<p>Conducts research and analysis of programs, projects, and activities, applying advanced research methods and techniques to problems of increasing difficulty. Utilizes the techniques of data collection, compilation, and analysis, and assists in collecting, compiling, and analyzing statistical data. Also provides support in preparing research reports and summarizing research findings for publication in journals, in newsletters, and on the Web.</p>	<p>One year of experience conducting research, including literature reviews, meta-analyses, and program evaluations. Familiarity in using statistical analysis software to conduct data analysis tasks and search and retrieval applications to conduct database searching.</p>	<p>Master's degree in statistics, mathematics, or a behavioral science. Bachelor's degree with concentration in statistics or research methods plus one year of relevant experience may be substituted for a Master's degree.</p>	<p>High School and 6 years relative exempt experience; Bachelors and 2 years relevant exempt experience</p>
Research Analyst II	<p>Conducts research and analysis of programs, projects, and activities, applying advanced research methods and techniques to problems of increasing difficulty. Utilizes the techniques of data collection, compilation, and analysis, and assists in collecting, compiling, and analyzing statistical data. Also provides support in preparing research reports and summarizing research findings for publication in journals, in newsletters, and on the Web.</p>	<p>Three years of professional experience which includes at least two years conducting research, including literature reviews, meta-analyses, and program evaluations. Familiarity in using statistical analysis software to conduct data analysis tasks and search and retrieval applications to conduct database searching.</p>	<p>Master's degree in statistics, mathematics, or a behavioral science. Bachelor's degree with concentration in statistics or research methods plus 3 years of relevant experience may be substituted for a Master's degree.</p>	<p>High School and 8 years relative exempt experience; Bachelors and 4 years relevant exempt experience</p>
Research Analyst III	<p>Six years of experience conducting research, including literature reviews, meta-analyses, and program evaluations. Familiarity in using statistical analysis software to conduct data analysis tasks and search and retrieval applications to conduct database searching.</p>	<p>Five years of professional experience which includes at least four years conducting research, including literature reviews, meta-analyses, and program evaluations. Familiarity in using statistical analysis software to conduct data analysis tasks and search and retrieval applications to conduct database searching.</p>	<p>Master's degree in statistics, mathematics, or a behavioral science. Bachelor's degree with concentration in statistics or research methods plus four years of relevant experience may be substituted for a Master's degree.</p>	<p>High School and 10 years relative exempt experience; Bachelors and 6 years relevant exempt experience</p>
Research Analyst IV	<p>Conducts research and analysis of programs, projects, and activities, applying advanced research methods and techniques to problems of increasing difficulty. Utilizes the techniques of data collection, compilation, and analysis, and assists in collecting, compiling, and analyzing statistical data. Also provides support in preparing research reports and summarizing research findings for publication in journals, in newsletters, and on the Web.</p>	<p>Nine years of professional experience which includes at least six years conducting research, including literature reviews, meta-analyses, and program evaluations. Familiarity in using statistical analysis software to conduct data analysis tasks and search and retrieval applications to conduct database searching.</p>	<p>Master's degree in statistics, mathematics, or a behavioral science. Bachelor's degree with concentration in statistics or research methods plus five years of relevant experience may be substituted for a Master's degree.</p>	<p>High School and 14 years relative exempt experience; Bachelors and 10 years relevant exempt experience</p>

Statistician I	<p>Conducts statistical research and analysis and compiles and interprets statistical records and reports of programs, projects, and activities. Accountable for the adequacy of the statistical methods selected and the accuracy of the results obtained. Determines methods of statistical analysis and applies statistical techniques to determine measures of central tendency, correlation, sample size, significance of differences, etc. Compiles and analyzes data, interpreting trends, fluctuations, and other changes. Prepares reports, graphs, and charts and occasionally provides oral presentations of the results of statistical studies. Researches pertinent literature in a designed project area and analyzes applicability of concepts. May consult with program and administrative staff in the development and completion of projects. May perform specialized statistical analysis involving correlation and regression equations. May supervise clerical personnel engaged in carrying out statistical clerical procedures.</p>	<p>Five years of professional experience which includes at least four years conducting advanced statistical analyses using SAS, SPSS, and other statistical analysis software products. Possesses working knowledge of statistical principles, methods, and techniques. Depending on the nature of the project, experience may be required in such areas as quantitative research synthesis, survey design and administration, database development, quality control reviews, and report generation, including the production of codebooks, data summary tables, and other analytical materials.</p>	<p>Master's degree in statistics, mathematics, or a behavioral science.</p>	<p>High School and 10 years relative exempt experience; Bachelors and 6 years relavent exempt experience</p>
Statistician II	<p>Conducts statistical research and analysis and compiles and interprets statistical records and reports of programs, projects, and activities. Accountable for the adequacy of the statistical methods selected and the accuracy of the results obtained. Determines methods of statistical analysis and applies statistical techniques to determine measures of central tendency, correlation, sample size, significance of differences, etc. Compiles and analyzes data, interpreting trends, fluctuations, and other changes. Prepares reports, graphs, and charts and occasionally provides oral presentations of the results of statistical studies. Researches pertinent literature in a designed project area and analyzes applicability of concepts. May consult with program and administrative staff in the development and completion of projects. May perform specialized statistical analysis involving correlation and regression equations. May supervise clerical personnel engaged in carrying out statistical clerical procedures.</p>	<p>Nine years of professional experience which includes at least six years of experience conducting advanced statistical analyses using SAS, SPSS, and other statistical analysis software products. Possesses working knowledge of statistical principles, methods, and techniques. Depending on the nature of the project, experience may be required in such areas as quantitative research synthesis, survey design and administration, database development, quality control reviews, and report generation, including the production of codebooks, data summary tables, and other analytical materials.</p>	<p>Master's degree in statistics, mathematics, or a behavioral science.</p>	<p>High School and 14 years relative exempt experience; Bachelors and 10 years relavent exempt experience</p>
Subject Matter Specialist I	<p>Applies subject matter expertise in support of project operations by participating in planning and strategy development sessions, conducting research, making presentations, providing technical assistance, and producing reports.</p>	<p>Eight years of experience providing records management or litigation support services in specific subject matter areas of expertise.</p>	<p>Master's degree. A Bachelor's degree plus one year of additional, directly related work experience (over and above the minimum experience requirements for this position) may be substituted for the Master's degree.</p>	<p>High School and 13 years relative exempt experience; Bachelors and 9 years relavent exempt experience</p>
Subject Matter Specialist II	<p>Applies subject matter expertise in support of project operations by participating in planning and strategy development sessions, conducting research, making presentations, providing technical assistance, and producing reports.</p>	<p>Ten years of experience providing records management or litigation support services in specific subject matter areas of expertise.</p>	<p>Master's degree. A Bachelor's degree plus three years of additional directly related work experience (over and above the minimum experience requirements for this position) may be substituted for the Master's degree. A Ph.D. or other specialized degree (e.g., J.D.) may be required for selected assignments.</p>	<p>High School and 15 years relative exempt experience; Bachelors and 11 years relavent exempt experience</p>
Subject Matter Specialist III	<p>Applies subject matter expertise in support of project operations by participating in planning and strategy development sessions, conducting research, making presentations, providing technical assistance, and producing reports.</p>	<p>Twelve years of experience providing records management or litigation support services in specific subject matter areas of expertise.</p>	<p>Master's degree. A Bachelor's degree plus four years of additional directly related work experience (over and above the minimum experience requirements for this position) may be substituted for the Master's degree. A Ph.D. or other specialized degree (e.g., J.D.) may be required for selected assignments.</p>	<p>High School and 17 years relative exempt experience; Bachelors and 13 years relavent exempt experience</p>
Subject Matter Specialist IV	<p>Applies subject matter expertise in support of project operations by participating in planning and strategy development sessions, conducting research, making presentations, providing technical assistance, and producing reports.</p>	<p>Fourteen years of experience providing records management or litigation support services in specific subject matter areas of expertise.</p>	<p>Master's degree. A Bachelor's degree plus six years of additional directly related work experience (over and above the minimum experience requirements for this position) may be substituted for the Master's degree. A Ph.D. or other specialized degree (e.g., J.D.) may be required for selected assignments.</p>	<p>High School and 19 years relative exempt experience; Bachelors and 15 years relavent exempt experience</p>

Subject Matter Specialist V	Applies subject matter expertise in support of project operations by participating in planning and strategy development sessions, conducting research, making presentations, providing technical assistance, and producing reports.	Sixteen years of experience providing records management or litigation support services in specific subject matter areas of expertise. Qualified to serve in court as an expert witness.	Master's degree. A Bachelor's degree plus eight years of additional directly related work experience (over and above the minimum experience requirements for this position) may be substituted for the Master's degree. A Ph.D. or other specialized degree (e.g., J.D.) may be required for selected assignments.	High School and 21 years relative exempt experience; Bachelors and 17 years relevant exempt experience
Survey Coordinator I	Assists statistics, data collection, and research staff in developing and administering surveys, analyzing results, and preparing summaries of findings.	Three years of professional experience which includes at least two years of experience in survey and data collection activities.	Bachelor's degree. Four years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's degree.	High School and 7 years relevant exempt experience
Survey Coordinator II	Assists statistics, data collection, and research staff in developing and administering surveys, analyzing results, and preparing summaries of findings.	Five years of professional experience which includes at least 4 years of experience in survey and data collection activities.	Bachelor's degree. Five years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's degree.	High School and 9 years relevant exempt experience
Survey Technician**	Assembles and processes survey responses received via telephone, mail, e-mail, and in-person interviews. Scans survey responses for errors, assigning numeric codes to open-ended questions, and entering data into receipt control system/database. Administers surveys to respondents by telephone.	One year of experience in survey and data collection activities. Experience using spreadsheets and word processing applications required.	Bachelor's degree. Three years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's degree.	High School and 9 years relevant exempt experience
Systems Analyst I	Supervises and participates in computer-based systems development and/or system maintenance projects. Conducts discussions with client organizations to gather information, review, evaluate, and analyze existing manual and computer-based systems. Performs system design activities, works out the details of data validation specifications, data capture mechanisms, and data conversion procedures. Tests software, including the preparation of sample data for testing. Presents findings, progress reports, recommendations, and specifications in formal reports and oral presentations. Develops system life cycle documentation as required.	Three years of experience in analysis, design, and implementation of medium to large data processing systems, including at least one year of experience in the general functional area addressed by an individual work order and one year of experience in the design, installation, modification, and maintenance of databases.	Bachelor's degree; computer science or information management degree preferred. An Associate's degree in a related field and two years of additional directly related work experience or an IT-related certificate Program and two years of additional directly related work experience may be substituted for the Bachelor's degree.	High School and 7 years relevant exempt experience
Systems Analyst II	Supervises and participates in computer-based systems development and/or system maintenance projects. Conducts discussions with client organizations to gather information, review, evaluate, and analyze existing manual and computer-based systems. Performs system design activities, works out the details of data validation specifications, data capture mechanisms, and data conversion procedures. Tests software, including the preparation of sample data for testing. Presents findings, progress reports, recommendations, and specifications in formal reports and oral presentations. Develops system life cycle documentation as required.	Five years of experience in analysis, design, and implementation of medium to large data processing systems, including two years of experience in the general functional area addressed by an individual work order and two years of experience in the design, installation, modification, and maintenance of databases.	Bachelor's degree; computer science or information management degree preferred. An Associate's degree in a related field and 3 years of additional directly related work experience or an IT-related Certificate Program and three years of additional directly related work experience may be substituted for the Bachelor's degree.	High School and 9 years relevant exempt experience
Systems Analyst III	Supervises and participates in computer-based systems development and/or system maintenance projects. Conducts discussions with client organizations to gather information, review, evaluate, and analyze existing manual and computer-based systems. Performs system design activities, works out the details of data validation specifications, data capture mechanisms, and data conversion procedures. Tests software, including the preparation of sample data for testing. Presents findings, progress reports, recommendations, and specifications in formal reports and oral presentations. Develops system life cycle documentation as required.	Seven years of experience in analysis, design, and implementation of medium to large data processing systems, including three years of experience in the general functional area addressed by an individual work order and three years of experience in the design, installation, modification, and maintenance of databases.	Bachelor's degree; computer science or information management degree preferred. An Associate's degree in a related field and five years of additional directly related work experience or an IT-related Certificate Program and five years of additional directly related work experience may be substituted for the Bachelor's degree.	High School and 11 years relevant exempt experience
Systems Analyst IV	Supervises and participates in computer-based systems development and/or system maintenance projects. Conducts discussions with client organizations to gather information, review, evaluate, and analyze existing manual and computer-based systems. Performs system design activities, works out the details of data validation specifications, data capture mechanisms, and data conversion procedures. Tests software, including the preparation of sample data for testing. Presents findings, progress reports, recommendations, and specifications in formal reports and oral presentations. Develops system life cycle documentation as required.	Twelve years of experience in analysis, design, and implementation of medium to large data processing systems, including six years of experience in the general functional area addressed by an individual work order and six years of experience in the design, installation, modification, and maintenance of databases.	Bachelor's degree; computer science or information management degree preferred. An Associate's degree in a related field and six years of additional directly related work experience or an IT-related Certificate Program and 6 years of additional directly related work experience may be substituted for the Bachelor's degree.	High School and 16 years relevant exempt experience

Systems Analyst V	<p>Supervises and participates in computer-based systems development and/or system maintenance projects. Conducts discussions with client organizations to gather information, review, evaluate, and analyze existing manual and computer-based systems. Performs system design activities, works out the details of data validation specifications, data capture mechanisms, and data conversion procedures. Tests software, including the preparation of sample data for testing. Presents findings, progress reports, recommendations, and specifications in formal reports and oral presentations. Develops system life cycle documentation as required.</p>	<p>Fourteen years of experience in analysis, design, and implementation of medium to large data processing systems, including six years of experience in the general functional area addressed by an individual work order and six years of experience in the design, installation, modification, and maintenance of databases.</p>	<p>Bachelor's degree; computer science or information management degree preferred. An Associate's degree in a related field and six years of additional directly related work experience or an IT-related Certificate Program and 6 years of additional directly related work experience may be substituted for the Bachelor's degree.</p>	<p>High School and 18 years relevant exempt experience</p>
Systems Engineer	<p>Designs, develops, integrates, and implements new system solutions to satisfy client information processing needs. Given a set of functional requirements, identifies and recommends appropriate technology, designs a system to meet the defined needs, develops any necessary interfaces or tools, integrates and installs the system, tests and troubleshoots, and provides user training. Specifies all hardware and software and sets up systems and procedures for ensuring system security and integrity, for performing scheduled back-ups, and for ensuring sound overall system management, including disaster recovery plans. Coordinates with the COTR, Government data processing staff, and internal management in the performance of all functions, reports on progress, and provides system level documentation.</p>	<p>Three years of experience in designing, developing, integrating, and installing complex data processing systems, including full life cycle experience— from concept development through system maintenance. Experience should encompass systems involving the client's core information technologies, which may include large scale database management systems, large scale document processing systems, Internet-related technologies, or specialized processing, communications, or data conversion technology. One year of experience should include system development experience working in a LAN/WAN environment. Familiarity with the functional area the system will support is helpful. Broad knowledge of the Government's information technology environments and standards is required, and experience with specific hardware and software in the client's existing environment is very helpful. Requires excellent written and oral communication skills.</p>	<p>Bachelor's degree. IT-related certification programs or other technical- related training plus two years of additional, directly related work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's degree.</p>	<p>High School and 7 years relevant exempt experience</p>
Task Supervisor	<p>Serves as a first line supervisor for records management and/or litigation support tasks such as document acquisition, preparation and duplication, files set up and maintenance, trial-site courtroom or facility support assignments, screening/discovery efforts, etc. Supervises and directs paralegals, data analysts and other support staff to accomplish work.</p>	<p>Three years of professional experience which includes at least two years of experience supervising records management or litigation support tasks. Demonstrated ability to work independently in a team environment. Excellent writing and oral communication skills. Requires hands-on familiarity with data processing environments, including office automation networks, PC- based database and other applications, server-based database and other applicants. Should be knowledgeable user of word processing, spreadsheet, imaging and telecommunications systems.</p>	<p>Bachelor's degree. Two years of additional, directly related work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's degree.</p>	<p>High School and 7 years relevant exempt experience</p>
Technical Analyst	<p>Works with multiple technical teams to perform the following responsibilities: computer systems analysis, software analysis and design, Web development, data modeling, data collection and analysis, database development, and information dissemination. Plans, conducts, and coordinates major complex computer programming applications. Provides analytical support and technical advice during the conceptualization, development, and implementation phases. Prepares cost estimates and detailed schedules for systems projects.</p>	<p>Six years of experience supporting the development and implementation of systems operations on large, multi-task projects, including the ability to ensure continuous, high-quality performance of integrated systems and technologies.</p>	<p>Bachelor's degree in an information technology-related field. An Associate's degree in a related field and four years of additional directly related work experience or an IT-related Certificate Program and four years of additional directly related work experience may be substituted for the Bachelor's degree.</p>	<p>High School and 10 years relevant exempt experience</p>

Technical Consultant	<p>Senior IT professional with outstanding or unique skills and analytic abilities, particularly with respect to specific application software, operating systems, or technologies. Evaluates system requirements and makes recommendations for technical solutions; provides technical management support for a systems project throughout all phases of the life cycle; provides technical advice and guidance to the system's IT team; evaluates programs in terms of efficiency, effectiveness, quality and inter-operability with client systems; evaluates and develops systems software and hardware requirements together with short and long range planning, including systems integration solutions and telecommunications requirements; translates advanced concepts into practical and effective solutions using structured techniques to define requirements; develops feasible alternatives and estimates cost for implementation. Makes presentations of findings, recommendations, and specifications in formal reports and oral presentations, to a variety of audiences, including non-technical personnel.</p>	<p>Nine years of experience designing, implementing, and/or troubleshooting applications, making use of the specific software or technology for which consulting services are required. Must have experience in the analysis, design, and implementation of medium to large scale information systems. Depending on the specific assignment, prior experience may include one of the following: (a) five years of experience in data modeling, database design, and data administration; (b) five years of experience in networking, systems integration, and telecommunications; (c) five years of experience in the PC/workstation environment, or in a specific manufacturer's mainframe environment; or (d) five years of experience in systems analysis, design, implementation and maintenance in a specified operating system environment. In some cases, three years of experience in a specific technology, functional area, or software package may also be required. Supervisory experience of IT projects and personnel and previous experience on other Government contracts is desirable. Requires knowledge of industry standard documentation requirements, procedures, and structured analytic methods. Outstanding oral and written communications skills are also required.</p>	<p>Bachelor's degree. IT-related certification programs or other technical-related training plus two years of additional, directly related work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's degree.</p>	<p>High School and 13 years relevant exempt experience</p>
Technical Team Leader I	<p>Coordinates and supervises a specific task or function. Ensures all activities are carried out in accordance with project commitments or specific objectives. Responsible for day-to-day coordination and administration of tasks by ensuring that quality and productivity standards are maintained. Prepares work schedules. Supervises work performance of team members and provides training as needed. Assists with writing project plans and reports.</p>	<p>One year of experience in records management or litigation support related work. Demonstrated ability to coordinate numerous complex and time-critical activities simultaneously.</p>	<p>Bachelor's degree. Two years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's degree.</p>	<p>High School and 5 years relevant exempt experience</p>
Technical Team Leader II	<p>Coordinates and supervises a specific task or function. Ensures all activities are carried out in accordance with project commitments or specific objectives. Responsible for day-to-day coordination and administration of tasks by ensuring that quality and productivity standards are maintained. Prepares work schedules. Supervises work performance of team members and provides training as needed. Assists with writing project plans and reports.</p>	<p>Two years of experience in records management or litigation support related work, including one year of progressively more responsible supervisory experience. Demonstrated ability to supervise numerous complex and time-critical activities simultaneously.</p>	<p>Bachelor's degree. Three years of additional, directly relevant work experience (over and above the minimum experience requirements for this position) may be substituted for the Bachelor's degree.</p>	<p>High School and 6 years relevant exempt experience</p>
Technical Writer/Editor I**	<p>Supports the development and production of a variety of documents for clients and their customers. Documents prepared for client use include user guides, reference manuals, program maintenance manuals, document coding manuals, and other forms of documentation for specific databases and application systems. Documents prepared for client customers include research reports, statistical summaries, and other types of publications that contain technical language. May also write and edit material for online access and dissemination via the Internet, which requires special attention toward minimizing the use of technical terminology for ease of understanding by the general public.</p>	<p>Previous experience writing and editing publications, including technical documents such as reference manuals or user guides or other documents that contain technical language such as research reports or statistical summaries. Excellent writing skills are critical for this position, as is the ability to analyze, synthesize, and condense text that includes computer and systems terminology and is intended for use by non-technical audiences. Requires experience in using word processing and other office automation tools and hands-on familiarity with the client's information technology and/or publishing environment. For publications printed and distributed by Government clients, also requires demonstrated knowledge of writing, editing, and style guidelines and printing regulations of the Government Printing Office.</p>	<p>Bachelor's degree.</p>	<p>High School and 7 years relevant exempt experience</p>

Technical Writer/Editor II**	<p>Supports the development and production of a variety of documents for clients and their customers. Documents prepared for client use include user guides, reference manuals, program maintenance manuals, document coding manuals, and other forms of documentation for specific databases and application systems. Documents prepared for client customers include research reports, statistical summaries, and other types of publications that contain technical language. May also write and edit material for online access and dissemination via the Internet, which requires special attention toward minimizing the use of technical terminology for ease of understanding by the general public.</p>	<p>Three years of experience writing and editing publications, including technical documents such as reference manuals or user guides or other documents that contain technical language such as research reports or statistical summaries. Excellent writing skills are critical for this position, as is the ability to analyze, synthesize, and condense text that includes computer and systems terminology and is intended for use by non-technical audiences. Requires experience in using word processing and other office automation tools and hands-on familiarity with the client's information technology and/or publishing environment. For publications printed and distributed by Government clients, also requires demonstrated knowledge of writing, editing, and style guidelines and printing regulations of the Government Printing Office.</p>	<p>Bachelor's degree.</p>	<p>High School and 7 years relevant exempt experience</p>
Technical Writer/Editor III**	<p>Supports the development and production of a variety of documents for clients and their customers. Documents prepared for client use include user guides, reference manuals, program maintenance manuals, document coding manuals, and other forms of documentation for specific databases and application systems. Documents prepared for client customers include research reports, statistical summaries, and other types of publications that contain technical language. May also write and edit material for online access and dissemination via the Internet, which requires special attention toward minimizing the use of technical terminology for ease of understanding by the general public.</p>	<p>Five years of experience writing and editing publications, including technical documents such as reference manuals or user guides or other documents that contain technical language such as research reports or statistical summaries. Excellent writing skills are critical for this position, as is the ability to analyze, synthesize, and condense text that includes computer and systems terminology and is intended for use by non-technical audiences. Requires experience in using word processing and other office automation tools and hands-on familiarity with the client's information technology and/or publishing environment. For publications printed and distributed by Government clients, also requires demonstrated knowledge of writing, editing, and style guidelines and printing regulations of the Government Printing Office.</p>	<p>Bachelor's degree.</p>	<p>High School and 9 years relevant exempt experience</p>
Writer/Editor II	<p>Four years of experience writing and editing publications. Excellent writing skills required, as is the ability to analyze, synthesize, and condense text that includes survey terminology and is intended for use by non-technical lay audiences. For publications printed and distributed by Government clients, also requires demonstrated knowledge of writing, editing, and style guidelines and printing regulations of the Government Printing Office.</p>	<p>Four years of experience writing and editing publications. Excellent writing skills required, as is the ability to analyze, synthesize, and condense text that includes survey terminology and is intended for use by non-technical lay audiences. For publications printed and distributed by Government clients, also requires demonstrated knowledge of writing, editing, and style guidelines and printing regulations of the Government Printing Office.</p>	<p>Bachelor's degree.</p>	<p>High School and 8 years relevant exempt experience</p>



20-2.0 OFFICE MANAGEMENT LABOR CATEGORIES PRICELIST (SINS 5416110, 518210DC, 541611LIT, 518210ERM)

GS -35F-116AA	Contract Year 8	Contract Year 9	Contract Year 10
	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
LEIDOS GOVERNMENT SITE RATES All Rates Include GSA IFF (.75%)			
Administrative Support I**	\$ 58.41	\$ 59.43	\$ 60.45
Administrative Support II**	\$ 75.91	\$ 77.23	\$ 78.56
Administrative Support III**	\$ 87.01	\$ 88.52	\$ 90.05
Archivist	\$ 112.61	\$ 114.56	\$ 116.54
Data Collection Specialist	\$ 126.06	\$ 128.24	\$ 130.46
Data Entry Technician I**	\$ 45.60	\$ 46.39	\$ 47.19
Data Entry Technician II**	\$ 58.41	\$ 59.43	\$ 60.45
Data Entry Technician III**	\$ 87.01	\$ 88.52	\$ 90.05
Data Entry Technician IV**	\$ 99.99	\$ 101.72	\$ 103.48
Database Administrator**	\$ 102.66	\$ 104.43	\$ 106.24
Digital Forensics Specialist I	\$ 88.57	\$ 90.10	\$ 91.66
Digital Forensics Specialist II	\$ 102.66	\$ 104.43	\$ 106.24
Digital Forensics Specialist III	\$ 127.39	\$ 129.59	\$ 131.83
Digital Forensics Specialist IV	\$ 159.49	\$ 162.25	\$ 165.06
Document Management Analyst I**	\$ 74.13	\$ 75.41	\$ 76.72
Document Management Analyst II**	\$ 87.01	\$ 88.52	\$ 90.05
Document Management Analyst III	\$ 99.99	\$ 101.72	\$ 103.48
Document Management Technician I**	\$ 45.60	\$ 46.39	\$ 47.19
Document Management Technician II**	\$ 58.41	\$ 59.43	\$ 60.45
Document Processing Technician I**	\$ 45.60	\$ 46.39	\$ 47.19
Document Processing Technician II**	\$ 58.41	\$ 59.43	\$ 60.45
Document Processing Technician III**	\$ 75.91	\$ 77.23	\$ 78.56
Document Processing Technician IV**	\$ 87.01	\$ 88.52	\$ 90.05
eDiscovery Application Analyst I	\$ 87.10	\$ 88.61	\$ 90.14
eDiscovery Application Analyst II	\$ 101.55	\$ 103.31	\$ 105.10
eDiscovery Application Analyst III	\$ 126.06	\$ 128.24	\$ 130.46
eDiscovery Application Analyst IV	\$ 163.29	\$ 166.12	\$ 168.99
eDiscovery Coordinator I	\$ 88.57	\$ 90.10	\$ 91.66
eDiscovery Coordinator II	\$ 102.66	\$ 104.43	\$ 106.24
eDiscovery Coordinator III	\$ 127.39	\$ 129.59	\$ 131.83
eDiscovery Coordinator IV	\$ 159.49	\$ 162.25	\$ 165.06
ESI Processing Specialist I**	\$ 87.01	\$ 88.52	\$ 90.05
ESI Processing Specialist II	\$ 99.99	\$ 101.72	\$ 103.48
ESI Processing Specialist III	\$ 112.61	\$ 114.56	\$ 116.54
ESI Processing Specialist IV	\$ 142.49	\$ 144.96	\$ 147.47
General Clerk I**	\$ 39.99	\$ 40.68	\$ 41.38

General Clerk II**	\$ 45.60	\$ 46.39	\$ 47.19
General Clerk III**	\$ 58.41	\$ 59.43	\$ 60.45
Information Specialist I	\$ 99.99	\$ 101.72	\$ 103.48
Information Specialist II	\$ 112.61	\$ 114.56	\$ 116.54
Information Specialist III	\$ 142.49	\$ 144.96	\$ 147.47
IS/DP Manager	\$ 159.49	\$ 162.25	\$ 165.06
Librarian I	\$ 99.99	\$ 101.72	\$ 103.48
Librarian II	\$ 112.61	\$ 114.56	\$ 116.54
Librarian III	\$ 142.49	\$ 144.96	\$ 147.47
Library Technician**	\$ 87.01	\$ 88.52	\$ 90.05
Management Analyst I	\$ 99.99	\$ 101.72	\$ 103.48
Management Analyst II	\$ 112.61	\$ 114.56	\$ 116.54
Network Administrator I**	\$ 102.66	\$ 104.43	\$ 106.24
Network Administrator II**	\$ 127.39	\$ 129.59	\$ 131.83
Network Administrator III	\$ 159.49	\$ 162.25	\$ 165.06
Paralegal I**	\$ 74.13	\$ 75.41	\$ 76.72
Paralegal II**	\$ 87.01	\$ 88.52	\$ 90.05
Paralegal III**	\$ 99.99	\$ 101.72	\$ 103.48
Paralegal IV**	\$ 112.61	\$ 114.56	\$ 116.54
Production Manager	\$ 112.61	\$ 114.56	\$ 116.54
Production Supervisor	\$ 99.99	\$ 101.72	\$ 103.48
Programmer I	\$ 88.57	\$ 90.10	\$ 91.66
Programmer II	\$ 102.66	\$ 104.43	\$ 106.24
Programmer III	\$ 127.39	\$ 129.59	\$ 131.83
Programmer IV	\$ 159.49	\$ 162.25	\$ 165.06
Project Director	\$ 145.65	\$ 148.17	\$ 150.73
Project Executive	\$ 198.98	\$ 202.42	\$ 205.93
Project Manager I	\$ 79.53	\$ 80.90	\$ 82.30
Project Manager II	\$ 104.01	\$ 105.81	\$ 107.64
Project Manager III	\$ 129.93	\$ 132.18	\$ 134.46
Project Manager IV	\$ 145.65	\$ 148.17	\$ 150.73
Project Supervisor	\$ 129.93	\$ 132.18	\$ 134.46
Records Analyst I**	\$ 87.01	\$ 88.52	\$ 90.05
Records Analyst II	\$ 99.99	\$ 101.72	\$ 103.48
Records Analyst III	\$ 112.61	\$ 114.56	\$ 116.54
Records Analyst IV	\$ 142.49	\$ 144.96	\$ 147.47
Records Specialist	\$ 112.61	\$ 114.56	\$ 116.54
Research Analyst I	\$ 87.10	\$ 88.61	\$ 90.14
Research Analyst II	\$ 101.55	\$ 103.31	\$ 105.10
Research Analyst III	\$ 126.06	\$ 128.24	\$ 130.46
Research Analyst IV	\$ 163.29	\$ 166.12	\$ 168.99

Statistician I	\$ 126.06	\$ 128.24	\$ 130.46
Statistician II	\$ 163.29	\$ 166.12	\$ 168.99
Subject Matter Specialist I	\$ 131.18	\$ 133.45	\$ 135.76
Subject Matter Specialist II	\$ 145.65	\$ 148.17	\$ 150.73
Subject Matter Specialist III	\$ 198.98	\$ 202.42	\$ 205.93
Subject Matter Specialist IV	\$ 224.21	\$ 228.09	\$ 232.04
Subject Matter Specialist V	\$ 244.04	\$ 248.26	\$ 252.55
Survey Coordinator I	\$ 101.55	\$ 103.31	\$ 105.10
Survey Coordinator II	\$ 126.06	\$ 128.24	\$ 130.46
Survey Technician**	\$ 87.01	\$ 88.52	\$ 90.05
Systems Analyst I	\$ 101.55	\$ 103.31	\$ 105.10
Systems Analyst II	\$ 113.01	\$ 114.97	\$ 116.96
Systems Analyst III	\$ 126.06	\$ 128.24	\$ 130.46
Systems Analyst IV	\$ 163.29	\$ 166.12	\$ 168.99
Systems Analyst V	\$ 205.86	\$ 209.42	\$ 213.05
Systems Engineer	\$ 101.55	\$ 103.31	\$ 105.10
Task Supervisor	\$ 99.99	\$ 101.72	\$ 103.48
Technical Analyst	\$ 127.39	\$ 129.59	\$ 131.83
Technical Consultant	\$ 159.49	\$ 162.25	\$ 165.06
Technical Team Leader I	\$ 99.99	\$ 101.72	\$ 103.48
Technical Team Leader II	\$ 112.61	\$ 114.56	\$ 116.54
Technical Writer/Editor I**	\$ 58.41	\$ 59.43	\$ 60.45
Technical Writer/Editor II**	\$ 75.91	\$ 77.23	\$ 78.56
Technical Writer/Editor III**	\$ 87.01	\$ 88.52	\$ 90.05
Writer/Editor II	\$ 112.61	\$ 114.56	\$ 116.54

GS -35F-116AA	Contract Year 8	Contract Year 9	Contract Year 10
	12/13/2019 through 12/12/2020	12/13/2020 through 12/12/2021	12/13/2021 through 12/12/2022
LEIDOS CONTRACTOR SITE RATES			
All Rates Include GSA IFF (.75%)			
Administrative Support I**	\$ 67.48	\$ 68.65	\$ 69.84
Administrative Support II**	\$ 87.70	\$ 89.22	\$ 90.76
Administrative Support III**	\$ 100.53	\$ 102.26	\$ 104.03
Archivist	\$ 130.10	\$ 132.35	\$ 134.64
Data Collection Specialist	\$ 145.64	\$ 148.16	\$ 150.72
Data Entry Technician I**	\$ 52.68	\$ 53.59	\$ 54.52
Data Entry Technician II**	\$ 67.48	\$ 68.65	\$ 69.84
Data Entry Technician III**	\$ 100.53	\$ 102.26	\$ 104.03
Data Entry Technician IV**	\$ 115.51	\$ 117.51	\$ 119.54

Database Administrator**	\$ 118.60	\$ 120.65	\$ 122.73
Digital Forensics Specialist I	\$ 102.33	\$ 104.10	\$ 105.90
Digital Forensics Specialist II	\$ 118.60	\$ 120.65	\$ 122.73
Digital Forensics Specialist III	\$ 147.17	\$ 149.72	\$ 152.31
Digital Forensics Specialist IV	\$ 184.26	\$ 187.45	\$ 190.69
Document Management Analyst I**	\$ 85.64	\$ 87.13	\$ 88.63
Document Management Analyst II**	\$ 100.53	\$ 102.26	\$ 104.03
Document Management Analyst III	\$ 115.51	\$ 117.51	\$ 119.54
Document Management Technician I**	\$ 52.68	\$ 53.59	\$ 54.52
Document Management Technician II**	\$ 67.48	\$ 68.65	\$ 69.84
Document Processing Technician I**	\$ 52.68	\$ 53.59	\$ 54.52
Document Processing Technician II**	\$ 67.48	\$ 68.65	\$ 69.84
Document Processing Technician III**	\$ 87.70	\$ 89.22	\$ 90.76
Document Processing Technician IV**	\$ 100.53	\$ 102.26	\$ 104.03
eDiscovery Application Analyst I	\$ 100.63	\$ 102.37	\$ 104.14
eDiscovery Application Analyst II	\$ 117.32	\$ 119.35	\$ 121.42
eDiscovery Application Analyst III	\$ 145.64	\$ 148.16	\$ 150.72
eDiscovery Application Analyst IV	\$ 188.65	\$ 191.92	\$ 195.24
eDiscovery Coordinator I	\$ 102.33	\$ 104.10	\$ 105.90
eDiscovery Coordinator II	\$ 118.60	\$ 120.65	\$ 122.73
eDiscovery Coordinator III	\$ 147.17	\$ 149.72	\$ 152.31
eDiscovery Coordinator IV	\$ 184.26	\$ 187.45	\$ 190.69
ESI Processing Specialist I**	\$ 100.53	\$ 102.26	\$ 104.03
ESI Processing Specialist II	\$ 115.51	\$ 117.51	\$ 119.54
ESI Processing Specialist III	\$ 130.10	\$ 132.35	\$ 134.64
ESI Processing Specialist IV	\$ 164.61	\$ 167.46	\$ 170.36
General Clerk I**	\$ 46.19	\$ 46.99	\$ 47.81
General Clerk II**	\$ 52.68	\$ 53.59	\$ 54.52
General Clerk III**	\$ 67.48	\$ 68.65	\$ 69.84
Information Specialist I	\$ 115.51	\$ 117.51	\$ 119.54
Information Specialist II	\$ 130.10	\$ 132.35	\$ 134.64
Information Specialist III	\$ 164.61	\$ 167.46	\$ 170.36
IS/DP Manager	\$ 184.26	\$ 187.45	\$ 190.69
Librarian I	\$ 115.51	\$ 117.51	\$ 119.54
Librarian II	\$ 130.10	\$ 132.35	\$ 134.64
Librarian III	\$ 164.61	\$ 167.46	\$ 170.36
Library Technician**	\$ 100.53	\$ 102.26	\$ 104.03
Management Analyst I	\$ 115.51	\$ 117.51	\$ 119.54
Management Analyst II	\$ 130.10	\$ 132.35	\$ 134.64
Network Administrator I**	\$ 118.60	\$ 120.65	\$ 122.73
Network Administrator II**	\$ 147.17	\$ 149.72	\$ 152.31

Network Administrator III	\$ 184.26	\$ 187.45	\$ 190.69
Paralegal I**	\$ 85.64	\$ 87.13	\$ 88.63
Paralegal II**	\$ 100.53	\$ 102.26	\$ 104.03
Paralegal III**	\$ 115.51	\$ 117.51	\$ 119.54
Paralegal IV**	\$ 130.10	\$ 132.35	\$ 134.64
Production Manager	\$ 130.10	\$ 132.35	\$ 134.64
Production Supervisor	\$ 115.51	\$ 117.51	\$ 119.54
Programmer I	\$ 102.33	\$ 104.10	\$ 105.90
Programmer II	\$ 118.60	\$ 120.65	\$ 122.73
Programmer III	\$ 147.17	\$ 149.72	\$ 152.31
Programmer IV	\$ 184.26	\$ 187.45	\$ 190.69
Project Director	\$ 168.26	\$ 171.18	\$ 174.14
Project Executive	\$ 229.88	\$ 233.86	\$ 237.91
Project Manager I	\$ 91.87	\$ 93.46	\$ 95.08
Project Manager II	\$ 120.16	\$ 122.24	\$ 124.36
Project Manager III	\$ 150.10	\$ 152.70	\$ 155.34
Project Manager IV	\$ 168.26	\$ 171.18	\$ 174.14
Project Supervisor	\$ 150.10	\$ 152.70	\$ 155.34
Records Analyst I**	\$ 100.53	\$ 102.26	\$ 104.03
Records Analyst II	\$ 115.51	\$ 117.51	\$ 119.54
Records Analyst III	\$ 130.10	\$ 132.35	\$ 134.64
Records Analyst IV	\$ 164.61	\$ 167.46	\$ 170.36
Records Specialist	\$ 130.10	\$ 132.35	\$ 134.64
Research Analyst I	\$ 100.63	\$ 102.37	\$ 104.14
Research Analyst II	\$ 117.32	\$ 119.35	\$ 121.42
Research Analyst III	\$ 145.64	\$ 148.16	\$ 150.72
Research Analyst IV	\$ 188.65	\$ 191.92	\$ 195.24
Statistician I	\$ 145.64	\$ 148.16	\$ 150.72
Statistician II	\$ 188.65	\$ 191.92	\$ 195.24
Subject Matter Specialist I	\$ 151.55	\$ 154.17	\$ 156.84
Subject Matter Specialist II	\$ 168.26	\$ 171.18	\$ 174.14
Subject Matter Specialist III	\$ 229.88	\$ 233.86	\$ 237.91
Subject Matter Specialist IV	\$ 259.03	\$ 263.51	\$ 268.07
Subject Matter Specialist V	\$ 281.93	\$ 286.81	\$ 291.77
Survey Coordinator I	\$ 117.32	\$ 119.35	\$ 121.42
Survey Coordinator II	\$ 145.64	\$ 148.16	\$ 150.72
Survey Technician**	\$ 100.53	\$ 102.26	\$ 104.03
Systems Analyst I	\$ 117.32	\$ 119.35	\$ 121.42
Systems Analyst II	\$ 130.56	\$ 132.82	\$ 135.12
Systems Analyst III	\$ 145.64	\$ 148.16	\$ 150.72
Systems Analyst IV	\$ 188.65	\$ 191.92	\$ 195.24

Systems Analyst V	\$	237.83	\$	241.94	\$	246.13
Systems Engineer	\$	117.32	\$	119.35	\$	121.42
Task Supervisor	\$	115.51	\$	117.51	\$	119.54
Technical Analyst	\$	147.17	\$	149.72	\$	152.31
Technical Consultant	\$	184.26	\$	187.45	\$	190.69
Technical Team Leader I	\$	115.51	\$	117.51	\$	119.54
Technical Team Leader II	\$	130.10	\$	132.35	\$	134.64
Technical Writer/Editor I**	\$	67.48	\$	68.65	\$	69.84
Technical Writer/Editor II**	\$	87.70	\$	89.22	\$	90.76
Technical Writer/Editor III**	\$	100.53	\$	102.26	\$	104.03
Writer/Editor II	\$	130.10	\$	132.35	\$	134.64

20-3.0 DESCRIPTIONS AND ASSUMPTIONS OF UNIT RATE SERVICES (SINS 541611O, 518210DC, 541611LIT, 518210ERM)

Scan to Digital Image

Task Description: Imaging of hard copy documents. Image format for images produced will be predominantly TIFF Group IV images, black and white, single page per image file, 300 dpi. Output can also be to PDF or multi-page TIFF.

Assumptions:

- Pricing based on good quality original, single-sided, source pages of 8.5 x 11" and suitable for processing through an automated document feeder during scanning.
- Documents will be scanned at 300 DPI for all documents except at 200 DPI for engineering drawings.
- Oversized documents will be priced on the whole or partial number of 8.5 x 11" segments.
- Document preparation for scanning will include such basic minimal preparation as standard unbinding and un-stapling.
- Documents require no special handling such as special preparation (e.g. no cutting or page separation), repair or mounting.
- A continuous flow of materials will be provided for processing without any breaks, and that a reasonable time frame for turnaround will be used.
- Additional scanning services such as resolutions greater than 300 DPI, grayscale scanning, photographs, damaged or special paper, pages larger than 11 x 17 inches, will be priced on a customized basis using the labor category rates provided.
- Documents will be scanned to black/white images under the Scan to Digital Image price. If color images are required, then the Scan to Digital Image – Color Surcharge price will also be charged.

OCR

20-3.0 DESCRIPTIONS AND ASSUMPTIONS OF UNIT RATE SERVICES (SINS 541611O, 518210DC, 541611LIT, 518210ERM)

Task Description: Processing digital document images to produce computer- readable ASCII data via an optical character scanning processes.

Assumptions:

- All OCR processing will be "machine-only" quality, not edited, at a minimum accuracy rate of 95%.
- OCR will be performed from scanned documents or existing digital images of a minimum resolution of 300 DPI.

Print from Digital Image

Task Description: Production of hard copies (blowback) from digital media (hard drives, DVDs, CDs, etc.).

Assumptions:

- When images need to be produced from an entire piece of media (e.g., CD/DVD), pricing will occur according to the Blowback from Digital Image
 - Whole Media price, but when selective image files are needed from a piece of media, the Blowback from Digital Image – Selected Images price will be used.
- Images will be produced as black/white images on 8.5" x 11" p a p e r .
- Oversized documents will be priced on the whole or partial number of
- 8.5 x 11" segments.
- If images are needed in color rather than black/white, then the applicable Blowback from Digital Image – Color Surcharge – Whole Media price will also be charged for images produced from an entire piece of media, and when selective image files are needed from a piece of media Blowback from Digital Image – Color Surcharge – Selected Images will be used.

Photocopy

Task Description: Photocopying of documents

Assumptions:

- Prices are based on processing 8.5" x 11" single-sided source material which is in good condition and lends itself to being machine-feedable.
- It is assumed that minimal preparation and reconstruction of the collection will be required, e.g., minimal staples and other binding implements to require removal.
- It is further assumed that a continuous flow of pages will be provided for processing without any breaks, and that a reasonable time frame for turnaround will be used.
- If photocopies are needed in color rather than black/white, then the Photocopy
 - Color Surcharge price will also be charged.

Coding - Document Determination

Task Description: This type of "coding" will usually apply to situations in which the document pages have not already been grouped into logical document units - e.g., a three page memo with two one-

20-3.0 DESCRIPTIONS AND ASSUMPTIONS OF UNIT RATE SERVICES (SINS 541611O, 518210DC, 541611LIT, 518210ERM)

page attachments - but have been OCR'd. This enables creation of a database consisting of logical document units and their associated, searchable OCR, with no other structured data fields.

Assumptions:

- Coding will include logical document units.
- No other coding is performed at this level.
- Document Determination can usually be performed at a rate of about 35 documents per hour per coder.

Coding - Header Coding

Task Description: Typical header coding involves coding the document number (first and last image numbers), the document date, first author, first addressee, and perhaps one or two other fields, such as Bates number, or verbatim file name or document title, or document type. Generally, no more than eight or ten fields are coded. Unit rate Header coding does require the Contractor to identify document boundaries and "document package" boundaries.

Assumptions:

- Coding will include logical document determination.
- Fields coded typically include:
 - Document Number (first and last image numbers)
 - Document Package (first image of primary document and the last image of the last attached document)
 - Document Date
 - First Author
 - First Addressee
 - Bates Number
 - Verbatim File Name or Document Title,
 - Document Type.
- Generally, no more than eight or ten fields are coded.
- Header Coding can usually be performed at a rate of about 15 to 20 documents per hour per coder.

Coding - Bibliographic with Mentioned Names

Task Description: Bibliographic with mentioned names coding includes recording the unique document number for an image (or series of images) and other easy to identify categories of information such as date, document type, title, author(s), etc. This coding requires the coders to perform document determination for all documents coded, as well as determination of document packages (e.g., parent and attachment documents). It and may require the document coders to create or compose a title for documents which do not have titles. Additional identification and recording of case-specific names, places, dates, numbers, locations, products, etc. from within the body or the text of the document is also included. Historically, bibliographic with mentioned names coding has been performed at a rate of approximately six (6) to ten (10) documents per hour.

Assumptions:

20-3.0 DESCRIPTIONS AND ASSUMPTIONS OF UNIT RATE SERVICES (SINS 541611O,518210DC, 541611LIT, 518210ERM)

- Coding will include logical document determination.
- Fields coded typically include:
- Document Number (first and last image numbers)
- Document Package (first image of primary document and the last image of the last attached document)
- Document Date
- Authors
- Addressees
- Copyees
- Mentioned Names
- Case-specific places, numbers, locations, products, etc. from within the body of the document,
- Bates Number
- Verbatim or created/composed Document Title,
- Document Type.
- Generally, no more than ten to fifteen fields are coded.
- Typically records have contained between 200 and 350 characters per record.
- Bibliographic with Mentioned Names Coding can usually be performed at a rate of about 6 to 10 documents per hour per coder.

EFP – Intake and Process to Load Files

Task Description: Processing of electronic files. The billing unit for this item is by the decompressed input gigabyte.

Assumptions:

- Prices are based on a decompressed input gigabyte. For example, if a removable hard drive contains 6 gigabytes of document and data files along with zipped files and email containers such as PSTs, then the volume may expand to 25 gigabytes after the zipped and compressed files are expanded. In such case, the 25 gigabytes will be billed.
- Prices are intended to cover all common file types encountered in the Electronic Discovery industry such as word processing files, text files, spreadsheets, graphics, emails, and web site files.
- Conversion of data from obsolete or unusual physical format (e.g., 12 inch optical platters or microfilm) or off-line storage (e.g., backup tapes) to a more current standard (e.g., CD/DVD, flash drives, hard drive) is not included in the price list. If such conversion is required, this task will be performed and billed on an hourly basis.
- Corrupted or encrypted/password protected files that cannot be processed will be recorded on a problem report and provided as part of this price.
- Complex filtering, culling, or de-duplication beyond the automated method of file date, custodian or hash value, may incur additional billing on an hourly basis.
- This price includes the deliverables of: (1) converted text or OCR files, (2) metadata, and (3) associated cross reference files. With respect to metadata, it is assumed that only metadata already in the electronic file needs to be extracted – that is, this electronic processing does not include any separate manual coding.

EFP – Image Creation

Task Description: Creation of output images in TIFF or PDF format.

Assumptions:

- Image format will typically be single page TIFF Group IV, 300 dpi, but other formats, such as PDF, or multi-page TIFFs, may be specified by as needed.
- May include endorsement of unique, sequential number for each page imaged.
- Price does not include cost of media, such as hard drives.

Image File Conversion

Task Description: Conversion of images from one format to another, such as from PDF to TIFF or vice versa.

Assumption:

- Price includes conversion and related services for images in formats such as PDF, JPEG, or multi-page TIFFs, for example, and on different types of media such as DVD, CD, or hard drive.
- The image format for images produced under this item will be predominantly TIFF Group IV images, single page per image file, 300 dpi, but other target formats, such as PDF of multi=page TIFF, may be provided as well.
- Price does not include cost of media, such as hard drives.

Machine Learning Translation

Task Description: Machine-only language translation of electronic or scanned files no manual QC of the translated product, except if it is ordered separately, on an hourly basis.

Assumptions:

- Price assumes the use of software to translate text from one language to another.
- NOTE: No automated translation program, with no human participation, can produce output even close to the quality a human translator can produce. It can however provide a general, though imperfect, approximation of the original text, e.g., getting the “gist” of it.
- Price assumes no manual QC of the translated product, except if it is ordered separately, on an hourly basis.

Audio/Video (A/V) Digitization

Task Description: Digitization/conversion of audio and video tape from an analogue to a digital format.

Assumptions:

- The output quality of the processed audio or video allows it to be utilized in court through a computerized trial presentation system, such as TrialDirector or Sanction.
- Digital file format will usually be MPEG, but other formats may be required.
- Price does not include cost of media such as hard drives.

Load Image and Data Files

Task Description: Digitization/conversion of audio and video tape from an analogue to a digital format.

Assumptions:

- Price assumes loading of data files and digital image files from CDs, magnetic tapes, disks, or other media to the document database.
- Data files may include extracted text, metadata, and digital images.
- Incoming data files, etc. that do not conform to established specifications will be loaded on an hourly basis.

Managed Web Hosting

Task Description: Provision of a managed solution to host Sensitive but Unclassified (SBU) image and text databases, and to make them accessible via the Internet. Includes the cost of one user license per month per 200 GB hosted.

Assumptions:

- Data and image formats will usually be industry standard. The hosting system shall handle special files such as video, audio, color images, spreadsheets, and e-mails.
- The system will include the following functionality:
- An end-user interface.
- Flexible/customizable reviewer and administrator permissions.
- Advanced searching (i.e. on term, Boolean, and concept searching).
- The ability to sort and categorize search results.
- The ability to organize data into folders or sub-sets, the purpose of which is to provide users with the option to flag data for responsiveness and or privilege.
- The ability to identify near duplicates, that is, records that are statistically similar.
- The ability to record (code) supplemental information for individual documents, such as subject matter codes. This supplemental information will need to be included as part of the load file information eventually generated for loading to the litigation support document database.
- The ability to discern and to maintain relationships among the data files as they are being reviewed.
- The ability to manage duplicate electronic documents. Users will be able to locate and folder (bulk tag) all duplicate electronic documents. Users will be able to apply separate tags or folders to a single occurrence of a duplicate as well as manage duplicate exceptions. Users will also be able to apply annotations across the entire duplicate set or to a single occurrence of a duplicate.

- The ability to provide flexible reporting options, supplying information about the entire collection or sub-sets of the collection. The application will offer both “canned” reports and the functionality to create and customize reports based on a variety of criteria.
- The application will track and report on the following:
 - Updates to data within the application.
 - Complete log of all search activity.
 - Search history by user.
 - Files reviewed and or annotated by user - historical usage information.
 - Electronic documents tagged as duplicate.
 - Files selected for further processing.
 - Files de-selected for further processing.
- The application will provide data download and print capability from within the application. Users will be able to print locally and request printing via a Contractor production facility.
- Ability to export data and corresponding annotations in standard formats for loading into a production litigation support document database (i.e., Relativity, Concordance, Summation, etc.).
- This price covers the hosting of the data. Loading data to the hosting system will be performed on an hourly basis and is not included in this price

20-4.0 OFFICE MANAGEMENT UNIT RATE SERVICES (SINS 541611O, 518210DC, 541611LIT, 518210ERM)

Item No.	Item	Description	Unit of Issue	Year 8 Proposed Unit Rate	Year 9 Proposed Rate	Year 10 Proposed Rate
1	Scan to Digital Image	Imaging of hard copy documents. Image format for images produced will be predominantly TIFF Group IV images, black and white, single page per image file, 300 dpi. Output can also be to PDF or multi-page TIFF.	Image	\$0.09	\$0.09	\$0.09
2	Scan to Digital Image - Color Surcharge	Surcharge for color	Image	\$0.06	\$0.06	\$0.06
3	OCR Surcharge	Processing of digital document images to produce computer-readable ASCII data via an optical character recognition (OCR) scanning process.	Image	\$0.01	\$0.01	\$0.01
4	Print from Digital Image	Production of hard copies (blowback) from digital media (hard drives, DVDs, CDs, etc.).	Page	\$0.02	\$0.02	\$0.02
5	Photocopy	Photocopying of documents	Page	\$0.10	\$0.10	\$0.10
6	Coding - Document Determination	This type of "coding" will usually apply to situations in which the document pages have not already been grouped into logical document units - e.g., a three page memo with two one-page attachments - but have been OCR'd. This enables creation of a database consisting of logical document units and their associated, searchable OCR, with no other structured data fields.	Record	\$0.05	\$0.05	\$0.05
7	Coding - Header Coding	Typical header coding involves coding the document number (first and last image numbers), the document date, first author, first addressee, and perhaps one or two other fields, such as Bates number, or verbatim file name or document title, or document type. Generally, no more than eight or ten fields are coded. Unit rate Header coding does require the Contractor to identify document boundaries and "document package" boundaries.	Record	\$0.79	\$0.79	\$0.79

20-4.0 OFFICE MANAGEMENT UNIT RATE SERVICES (SINS 541611O,518210DC,541611LIT,518210ERM)

8	Coding - Bibliographic with Mentioned Names	Bibliographic with mentioned names coding includes recording the unique document number for an image (or series of images) and other easy to identify categories of information such as date, document type, title, author(s), etc. This coding requires the coders to perform document determination for all documents coded, as well as determination of document packages (e.g., parent and attachment documents). It and may require the document coders to create or compose a title for documents which do not have titles. Additional identification and recording of case-specific names, places, dates, numbers, locations, products, etc. from within the body or the text of the document is also included. Historically, bibliographic with mentioned names coding has been performed at a rate of approximately six (6) to ten (10) documents per hour.	Record	\$1.13	\$1.13	\$1.13
9	EFP - Intake and Process to Load Files	Processing of electronic files. The billing unit for this item is by the decompressed input gigabyte.	GB/Month	\$35.53	\$35.53	\$35.53
10	EFP - Image Files Creation - Separate Pass	Creation of output images in TIFF or PDF format.	Image	\$0.04	\$0.04	\$0.04
11	Image File Conversion	Conversion of images from one format to another, such as from PDF to TIFF or vice versa.	Image	\$0.02	\$0.02	\$0.02
12	Machine Language Translation	Machine-only language translation of electronic or scanned files no manual QC of the translated product, except if it is ordered separately, on an hourly basis.	File	\$0.87	\$0.87	\$0.87
13	Audio/Video (A/V) Digitization	Digitization/conversion of audio and video tape from an analogue to a digital format.	Audio/Video Hour	\$38.24	\$38.24	\$38.24
14	Load Image and Data Files	Loading of data files and digital image files to the document database. Data files may include extracted text, metadata, and digital images.	Image + Data File	\$240.00	\$240.00	\$240.00
15	Managed Web Hosting	Provision of a managed solution to host Sensitive but Unclassified (SBU) image and text databases, and to make them accessible via the Internet. Includes the cost of one user license per month per 200 GB hosted.	GB/Month	\$12.65	\$12.65	\$12.65
16	Additional User License Surcharge	The cost of additional monthly user licenses in excess of what is included in item 15 above.	User/Month	\$210.92	\$210.92	\$210.92

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