

GENERAL SERVICES ADMINISTRATION

AUTHORIZED

MULTIPLE AWARD SCHEDULE PRICELIST

(Previously Called: Information Technology Schedule Pricelist General Purpose Commercial Information Technology Equipment, Software and Services FSC 70)

Special Item Number 54151HACS – Highly Adaptive Cyber Security Services (HACS)

(Previously Called: SIN 132-45 – Highly Adaptive Cyber Security Services (HACS))
FSC/PSC Class D399 IT & Telecom-Other IT and Telecommunications

Special Item Number 54151S – Information Technology Professional Services

(Previously Called: SIN 132-51 – Information Technology Professional Services)
FSC/PSC Class D399 IT & Telecom-Other IT and Telecommunications

Special Item Number 54151HEAL – Health Information Technology Services

(Previously Called: SIN 132-56 – Health Information Technology (IT) Services)
FSC/PSC Class D399 IT & Telecom-Other IT and Telecommunications

Special Item Number 518210C – Cloud and Cloud-Related IT Professional Services

FSC/PSC Class D305 Data Processing, Hosting, and Related Services

Special Item Number ANCILLARY – Ancillary Supplies and Services

(Previously Called: SIN 132-100 – Ancillary Services)
FSC/PSC Class 000

Special Item Number OLM – Order-Level-Materials (Supplies and Services)

(Previously Called: SIN 70-500 – Order-Level-Materials)
FSC/PSC Class 000

**Northrop Grumman Systems Corporation
Northrop Grumman Defense Systems
7575 Colshire Drive
McLean, VA 22102**

www.northropgrumman.com/AboutUs/Contracts

Contract Manager: Monica Kulisch
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Business Size: Large
General Services Administration

Federal Supply Service

Contract Number: GS-35F-0165Y

Period Covered by Contract: January 27, 2012 through January 26, 2022

Pricelist current through Modification PO-0067 dated August 26, 2020

Special Item Number (SIN)

SIN Description

Special Item Number 54151HACS
Special Item Number 54151S
Special Item Number 54151HEAL
Special Item Number 518210C

Highly Adaptive Cyber Security Services
Information Technology Professional Services
Health Information Technology Services
Cloud and Cloud-Related IT Professional Services

Special Item Number ANCILLARY
Special Item Number OLM

Ancillary Supplies and Services
Order-Level-Materials

**COOP
PURCH**

Northrop Grumman has been awarded the Cooperative Purchasing Program for the following SINS: 54151HACS STL, 54151S STL, 54151HEAL STL, 518210C, 518210C STL, ANCILLARY STL, and OLM STL. Section 211 of the E-Government Act of 2002 amended the Federal Property and Administrative Services Act to allow for Cooperative Purchasing. Cooperative Purchasing authorizes State and local government entities to purchase Information Technology (IT) supplies/products and services from the MAS Schedule and the Consolidated Schedule contracts containing Information Technology (IT) Special Item Numbers (SINs).

**DISAST
RECOV**

Northrop Grumman has been awarded the Disaster Recovery Purchasing Program for the following SINS: 54151HACS RC, 54151S RC, 54151HEAL RC, 518201C RC, ANCILLARY RC and OLM RC. Section 833 of the National Defense Authorization Act allows state and local governments to purchase products and services to facilitate recovery from a major disaster. This does include advance and pre-positioning in preparation for a disaster.

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 GSA Advantage (<http://www.gsaadvantage.gov>)

NAICS Code by SIN

SIN 54151S Information Technology Professional Services

NAICS Number	Description
541511	Custom Computer Programming Services
541512	Computer Systems Design Services
541513	Computer Facilities Management Services
541519	Other Computer Related Services

SIN 54151HACS Highly Adaptive Cybersecurity Services

NAICS Number	Description
541511	Custom Computer Programming Services
541512	Computer Systems Design Services
541513	Computer Facilities Management Services
541519	Other Computer Related Services

SIN 54151HEAL Health Information Technology Services

NAICS Number	Description
541511	Custom Computer Programming Services
541512	Computer Systems Design Services
541513	Computer Facilities Management Services
541519	Other Computer Related Services

SIN 518210C Cloud and Cloud-Related IT Professional Services

NAICS Number	Description
518210	Data Processing, Hosting, and Related Services

SIN OLM Order Level Materials

NAICS Number	Description
000000	Generic NAICS Code for Special SINs

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**Information for Ordering Activities
Applicable to all Special Item Numbers**

SPECIAL NOTICE TO AGENCIES: Small Business Participation

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

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

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

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

1. Geographic Scope of Contract

Domestic delivery is delivery within the 48 contiguous states, Alaska, Hawaii, Puerto Rico, Washington, DC, and U.S. Territories. Domestic delivery also includes a port or consolidation point, within the aforementioned areas, for orders received from overseas activities.

Overseas delivery is delivery to points outside of the 48 contiguous states, Washington, DC, Alaska, Hawaii, Puerto Rico, and U.S. Territories.

The Geographic Scope of Contract will be domestic and overseas delivery.

2. Northrop Grumman Ordering Address and Payment Information

- a. Ordering Address:
Northrop Grumman Systems Corporation
Attn: Contracts*
7575 Colshire Drive
McLean, VA 22102

*Please mail to the attention of the Contract Administrator identified in the task order proposal.

- b. Payment Information:
ACH/EFT/Wire: Northrop Grumman Corporation
JPMorgan Chase
One Chase Manhattan Plaza, Floor 7
Mail Code NY1-A150
New York, NY 10005-1401
Account: see invoice
ABA: see invoice
SWIFT: see invoice

Check Instructions: Northrop Grumman Corporation
P.O. Box 88830
Chicago, IL 60695-1830

Shipping: JPMorgan Chase
Lockbox 88830
131 S Dearborn, 6th Floor
Chicago, IL 60603

Northrop Grumman will accept the Government purchase card for payments equal to or less than the micro-purchase threshold written orders under this contract. Government purchase cards may be accepted for payment above the micro-purchase threshold, if agreed to by the parties. In addition, bank account information for wire transfer payments will be shown on the invoice.

The following telephone number can be used by government ordering activities to obtain technical and/or ordering assistance: 703-713-4588.

3. Liability for Injury or Damage

Northrop Grumman shall not be liable for any injury to Government personnel or damage to Government property arising from the use of equipment maintained by Northrop Grumman, unless such injury or damage is due to the fault or negligence of Northrop Grumman.

4. Statistical Data for Government Ordering Office Completion of Standard Form 279

Block 9: G. Order/Modification under Federal Schedule Contract

Block 16: Data Universal Numbering System (DUNS): See table below

Block 30: Type of Contractor: C. Large Business

Block 31: Woman-Owned Small Business: No

Block 37: Taxpayer Identification Number (TIN): 95-1055798

- a. CAGE Code: See table below.
- b. Northrop Grumman is registered with the Central Contractor Registration (CCR) database.

Any award resulting from this proposal shall be made to the following:

Contractor Name / Address	CAGE Code	DUNS Number
Northrop Grumman Systems Corporation 7575 Colshire Drive McLean, VA 22102	5FVX5	078502520

5. FOB: Destination

6. Delivery Schedule

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

<u>Special Item Number</u>	<u>Delivery Time (Days ARO)</u>
54151HACS	To be determined by individual order, as negotiated by ordering activity and the contractor.
54151S	To be determined by individual order, as negotiated by ordering activity and the contractor.

54151 HEAL	To be determined by individual order, as negotiated by ordering activity and the contractor.
518210C	To be determined by individual order, as negotiated by ordering activity and the contractor.
ANCILLARY	To be determined by individual order, as negotiated by ordering activity and the contractor.
OLM	To be determined by individual order, as negotiated by ordering activity and the contractor.

- b. Urgent Requirements: When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering agency, agencies are encouraged, if time permits, to contact the Contractor for the purpose of obtaining accelerated delivery. The Contractor shall reply to the inquiry within three (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 agency, any order(s) placed pursuant to the agreed upon accelerated delivery time frame shall be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract.

7. Discounts: Prices shown herein are Net Prices.

- a. Prompt Payment: None (Net 30.)
- b. Quantity Volume: None
- c. Dollar Volume: None

8. Trade Agreements Act of 1979, as amended

All items are U.S. made end products, designated country end products, Caribbean Basin country end products, Canadian end products, or Mexican end products as defined in the Trade Agreements Act of 1979, as amended.

9. Statement Concerning Availability of Export Packing: Not applicable.

10. Small Requirements: The minimum dollar value of orders to be issued is \$100.

11. Maximum Order: The maximum order value for the following Special Item Numbers is as follows:

- SIN OLM – Order-Level-Materials: \$250,000
- SIN 54151HACS – Highly Adaptive Cyber Security Services: \$500,000
- SIN 54151S – Information Technology Professional Services: \$500,000
- SIN 54151HEAL– Health Information Technology Services: \$500,000
- SIN 518210C – Cloud and Cloud-Related IT Professional Services \$500,000
- SIN ANCILLARY – Ancillary Supplies and Services: \$250,000

12. Ordering Procedures for Federal Supply Schedule Contracts

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.

13. Federal Information Technology/Telecommunication Standards Requirements: Not applicable.**13.1 Federal Information Processing Standards Publications (FIPS Pubs): Not applicable.****13.2 Federal Telecommunication Standards (FED-STDS): Not applicable.****14. Contractor Tasks/Special Requirements (C-FSS-370) (NOV 2003)**

- a. Security Clearances: The Contractor may be required to obtain/possess varying levels of security clearances in the performance of orders issued under this contract. All costs associated with obtaining/possessing such security clearances should be factored into the price offered under the Multiple Award Schedule.
- b. Travel: The Contractor may be required to travel in performance of orders issued under this contract. Allowable travel and per diem charges are governed by Pub .L. 99-234 and FAR Part 31, and are reimbursable by the ordering agency or can be priced as a fixed price item on orders placed under the Multiple Award Schedule. Travel in performance of a task order will only be reimbursable to the extent authorized by the ordering agency. The Industrial Funding Fee does NOT apply to travel and per diem charges.
- c. Certifications, Licenses and Accreditations: As a commercial practice, the Contractor may be required to obtain/possess any variety of certifications, licenses and accreditations for specific FSC/service code classifications offered. All costs associated with obtaining/possessing such certifications, licenses, and accreditations should be factored into the price offered under the Multiple Award Schedule program.
- d. Insurance: As a commercial practice, the Contractor may be required to obtain/possess insurance coverage for specific FSC/service code classifications offered. All costs associated with obtaining/possessing such insurance should be factored into the price offered under the Multiple Award Schedule program.
- e. Personnel: The Contractor may be required to provide key personnel, resumes, or skill category descriptions in the performance of orders issued under this contract. Ordering activities may require agency approval of additions or replacements to key personnel.
- f. Organizational Conflicts of Interest: Where there may be an organizational conflict of interest as determined by the ordering agency, the Contractor's participation in such order may be restricted in accordance with FAR Part 9.5.
- g. Documentation/Standards: The Contractor may be requested to provide products or services in accordance with rules, regulations, OMB orders, standards, and documentation as specified by the agency's order.
- h. Data/Deliverable Requirements: Any required data/deliverables at the ordering level will be as specified or negotiated in the agency's order.
- i. Government-Furnished Property: As specified by the agency's order, the Government may provide property, equipment, materials or resources as necessary.
- j. Availability of Funds: Many Government agencies' operating funds are appropriated for a specific fiscal year. Funds may not be presently available for any orders placed under the contract or any option year. The Government's obligation on orders placed under this contract is contingent upon the availability of appropriated funds from which payment for ordering purposes can be made. No legal liability on the part of the Government for any payment may arise until funds are available to the ordering Contracting Officer.

- k. Overtime: For professional services, the labor rates in the Schedule should not vary by virtue of the Contractor having worked overtime. For non-exempt services applicable to the Fair Labor Standards Act (FLSA) (as identified in the Schedule), the labor rates in the Schedule will vary as governed by labor laws (usually assessed at time and a half of the labor rate). **(See paragraph e. Other Direct Costs, for additional information.)**

15. Contract Administration for Ordering Activities

Any ordering activity, with respect to any one or more delivery orders placed by it under this contract, may exercise the same rights of termination as might the GSA Contracting Officer under provisions of FAR 52.212-4, paragraphs (l) Termination for the ordering activity's convenience, and (m) Termination for Cause.

16. GSA Advantage!

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

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

Agencies can browse GSA Advantage! by accessing the Internet. The Internet address is <http://www.gsaadvantage.gov>.

17. Purchase of Open Market Items

NOTE: Open Market Items are also known as incidental items, noncontract items, non-Schedule items, and items not on a Federal Supply Schedule contract. Ordering Activities procuring open market items must follow FAR 8.402(f).

For administrative convenience, an ordering activity contracting officer may add items not on the Federal Supply Multiple Award Schedule (MAS) -- referred to as open market items -- to a Federal Supply Schedule blanket purchase agreement (BPA) or an individual task or delivery order, **only if-**

- (1) All applicable acquisition regulations pertaining to the purchase of the items not on the Federal Supply Schedule have been followed (e.g., publicizing (Part 5), competition requirements (Part 6), acquisition of commercial items (Part 12), contracting methods (Parts 13, 14, and 15), and small business programs (Part 19));
- (2) The ordering activity contracting officer has determined the price for the items not on the Federal Supply Schedule is fair and reasonable;
- (3) The items are clearly labeled on the order as items not on the Federal Supply Schedule; and
- (4) All clauses applicable to items not on the Federal Supply Schedule are included in the order.

18. Contractor Commitments, Warranties, and Representations

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

- b. The above is not intended to encompass items not currently covered by the GSA Schedule contract.
- c. The maintenance/repair service provided is the standard commercial terms and conditions for the type of products and/or services awarded.

19. Overseas Activities

The terms and conditions of this contract shall apply to all orders for installation, maintenance, and repair of equipment in areas listed in the pricelist outside the 48 contiguous states and the District of Columbia.

Upon the request of Northrop Grumman, the ordering activity may provide 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 Northrop Grumman technical personnel whose services are exclusively required for the fulfillment of the terms and conditions of this contract.

20. Blanket Purchase Agreements (BPAs)

The use of BPAs under any schedule contract to fill repetitive needs for supplies or services is allowable. BPAs may be established with one or more schedule contractors. The number of BPAs to be established is within the discretion of the ordering activity establishing the BPA and should be based on a strategy that is expected to maximize the effectiveness of the BPA(s). Ordering activities shall follow FAR 8.405-3 when creating and implementing BPA(s).

21. Contractor Team Arrangements

Contractors participating in Contractor Team Arrangements must abide by all terms and conditions of their respective contracts. This includes compliance with clause 552.238-80, Industrial Funding Fee and Sales Reporting, i.e., each contractor (team member) must report sales and remit the IFF for all products and services provided under its individual contract.

22. Installation, Deinstallation, Reinstallation

The Davis-Bacon Act (40 U.S.C. 276a-276a-7) provides that contracts in excess of \$2,000 to which the United States or the District of Columbia is a party for construction, alteration, or repair (including painting and decorating) of public buildings or public works with the United States, shall contain a clause that no laborer or mechanic employed directly upon the site of the work shall receive less than the prevailing wage rates as determined by the Secretary of Labor. The requirements of the Davis-Bacon Act do not apply if the construction work is incidental to the furnishing of supplies, equipment, or services. For example, the requirements do not apply to simple installation or alteration of a public building or public work that is incidental to furnishing supplies or equipment under a supply contract. However, if the construction, alteration, or repair is segregable and exceeds \$2,000, then the requirement of the Davis-Bacon Act applies.

The ordering activity issuing the task order against this contract will be responsible for proper administration and enforcement of the Federal labor standards covered by the Davis-Bacon Act. The proper Davis-Bacon wage determination will be issued by the ordering activity at the time a request for quotations is made for applicable construction classified installation, deinstallation, and reinstallation services under SIN 33411 or SIN 33411REF.

23. Section 508 Compliance

I certify that in accordance with 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794d), FAR 39.2, and the Architectural and Transportation Barriers Compliance Board Electronic and Information Technology (EIT) Accessibility Standards (36 CFR 1194) General Services Administration (GSA), that all IT services are 508 compliant: Yes – Northrop Grumman will comply as specified in each individual delivery order. The EIT standard can be found at: www.Section508.gov.

24. Prime Contractor Ordering From Federal Supply Schedules

Prime Contractors (on cost reimbursement contracts) placing orders under Federal Supply Schedules, on behalf of an ordering activity, shall follow the terms of the applicable schedule and authorization and include with each order:

- (a) A copy of the authorization from the ordering activity with whom the contractor has the prime contract (unless a copy was previously furnished to the Federal Supply Schedule contractor); and
- (b) The following statement: "This order is placed under written authorization from _____ dated _____. In the event of any inconsistency between the terms and conditions of this order and those of your Federal Supply Schedule contract, the latter will govern."

25. Insurance—Work on a Government Installation (JAN 1997) (FAR 52.228-5)

- a. The Contractor shall, at its own expense, provide and maintain during the entire performance of this contract, at least the kinds and minimum amounts of insurance required in the Schedule or elsewhere in the contract.
- b. Before commencing work under this contract, the Contractor shall notify the Contracting Officer in writing that the required insurance has been obtained. The policies evidencing required insurance shall contain an endorsement to the effect that any cancellation or any material change adversely affecting the Government's interest shall not be effective—
 - (1) For such period as the laws of the State in which this contract is to be performed prescribe; or
 - (2) Until 30 days after the insurer or the Contractor gives written notice to the Contracting Officer, whichever period is longer.
- c. The Contractor shall insert the substance of this clause, including this paragraph (c), in subcontracts under this contract that require work on a Government installation and shall require subcontractors to provide and maintain the insurance required in the Schedule or elsewhere in the contract. The Contractor shall maintain a copy of all subcontractors' proofs of required insurance, and shall make copies available to the Contracting Officer upon request.

26. Fire or Casualty Hazards, or Safety or Health Requirements (Oct 1992) (C-FSS-411)

Not applicable.

27. Software Interoperability: Not applicable.**28. Advance Payments**

A payment under this contract to provide a service or deliver an article for the United States Government may not be more than the value of the service already provided or the article already delivered. Advance or pre-payment is not authorized or allowed under this contract. (31 U.S.C. 3324)

29. Terms and Conditions for Northrop Grumman Services

- a. Government and Contractor Rates

Government Site Rate

The government site rate is appropriate when full-time personnel are or will be performing on a government site for at least ninety (90) continuous days. The government site rate is contingent upon the government providing facilities and resources that are at least equal to facilities that the Government provides to its own personnel of comparable experience, ability, and position performing similar work. If necessary equipment or supplies are unavailable, and upon authorization by the ordering activity and set forth in the task order, Northrop Grumman will obtain such equipment and supplies and the ordering activity will reimburse Northrop Grumman on a cost reimbursable basis.

Contractor Site Rate

The contractor site rate is appropriate for orders when the normal place of performance is located at a Northrop Grumman facility.

- b. Work Hours

All services will be performed during the agency's normal prime shift working hours, if services are performed at the government site. For services performed at a Northrop Grumman (contractor)

facility, the normal working hours of the Northrop Grumman facility will be observed. Labor rates are based on an eight-hour workday, Monday through Friday, excluding government holidays, and a 40-hour workweek.

c. Staffing Qualifications

For all labor categories, experience may be substituted for education and education for experience as shown in the table on page 19. Experience, education, and description of duties for the service categories in the Schedule are provided as a guideline to the typical background for staff to be provided under individual orders. Northrop Grumman will review each task order opportunity to determine the best candidate available, while considering all aspects of the work requirements.

d. Service Contract Act

The requirements of the Service Contract Act shall not apply to the following SIN: 54151HACS cybersecurity services, SIN 54151S professional services, and health IT services SIN 54151HEAL pursuant to FAR 52.222-53, Exemption From Application of the Service Contract Act for Certain Services – Requirements (FEB 2009). Accordingly, any non-professional labor categories that fall under the Service Contract Act of 1965, as amended, must be incidental to and used solely in support of the cybersecurity services, professional services, and health IT services and cannot be purchased separately. The Service Contract Act (SCA) may be applicable to this GSA Schedule contract and the labor categories may be subject to wage determinations (WD) based upon the work performed. The ordering agency's procuring contracting officer (PCO) is responsible for identifying the appropriate wage determination applicable to an effort, and for providing the appropriate wage determination to Northrop Grumman.

e. Other Direct Costs (ODCs)

ODCs may be acquired through: OLM SIN, Ancillary SIN, FAR Deviation Authority (only allowable on orders placed prior to 10/23/2019), Contractor Teaming Arrangements (CTAs), and Open Market procedures, FAR 8.402(f).

The following chart lists types of ODCs that may be incurred in the performance of task or delivery orders. Applicable ODCs will be determined and estimated at the time of task or delivery order proposal. Other direct costs, including travel, will be billed in accordance with Northrop Grumman's policies and government-approved business systems. Other direct costs required for the performance of services will be reimbursed by the ordering activity at actual cost, inclusive of Northrop Grumman applicable burdens.

Other Direct Costs	
Element	Estimating Basis
Material/Procurement	Consists of purchases made through the Northrop Grumman purchasing department for commercial-off-the-shelf (COTS) products and services from competitive vendor sources. Procurement of COTS products and services includes purchased parts, assemblies and subassemblies, fabrication and manufacturing, raw material and labor services for professional, technical, and administrative support (other than consultants). Materials, Procurements and Subcontracts (MPS) burden is applied.
Travel (OLM only)	Northrop Grumman may be required to travel in performance of orders issued under this contract. Allowable travel and per diem charges are governed by Pub. L. 99-234 and FAR Part 31, and are reimbursable by the ordering activity and will include any applicable Northrop Grumman indirect burdens or can be priced as a fixed price item on orders placed under the multiple award schedule. Travel in performance of a task order will only be reimbursable to the extent authorized by the ordering activity.
Reproduction and Photographic Services	Consists of reproduction of reports, documents, and drawings and also includes photographic services (still photo). Publication cost for technical services is based on estimated number of pages and copies required for each document. Photographic technical services are based on estimated number of photographic hours, film footage, prints, negatives, etc.
Computing Services (Information Technology Solutions Service Center)	Supplied to projects through the Northrop Grumman IT Solutions service center. The service center provides personal computers and application software, special purpose equipment (workstations, specialized printers, and scanners), local (LAN) and wide (WAN) area network, email, and telecommunications (Telecom) to the personnel supporting the project. The service center maintains separate expenses that are allocated for computers, LAN, WAN, email, and Telecom to the personnel supporting the project. Computing expenses do not include operation expendables, e.g., diskettes, tapes, forms, paper, or printer cartridges.
Overtime	<p>A premium salary compensation for time worked by a non-exempt employee in excess of 40-hours during a week and in conformance with the Fair Labor Standards Act (FLSA). The premium portion of an employee's pay is an ODC expense charged direct to contracts. Overtime premium is computed as follows:</p> <ul style="list-style-type: none"> • Time and a Half is for hours over 40 not to exceed 12 in any one day. • Double Time is for hours over 40, exceeding 12 in any one day, and/or all hours over 40 worked on Sunday. • Triple Time is for hours worked on one of six Northrop Grumman designated nationally recognized holidays, of which 1/3 is an indirect expense and not a direct charge, 1/3 is charged direct, and 1/3 is an ODC expense.
Work Performed OCONUS	In accordance with the U.S. Department of State guidelines, Northrop Grumman provides employees with "Danger" and/or "Hardship" pay when they are traveling to certain designated countries. This additional compensation is provided to offset employees for the additional risk of traveling to and working in an environment more dangerous than their standard work location. "Danger" or "Hardship" pay will be handled on a task order basis, if applicable. These costs are not included in Northrop Grumman's IT Schedule labor rates. "Danger" and/or "Hardship" pay is an

Other Direct Costs	
Element	Estimating Basis
	<p>ODC expense charged direct to contracts. For more information, please see the Department of State's website http://www.state.gov.</p> <p>Additional ODCs may include but are not limited to the following:</p> <ul style="list-style-type: none"> • Documentation (VISAs, Passports, etc.) • Relocation & Repatriation • Defense Base Act (DBA) Insurance • Cost of Living Allowance – COLA • Housing Overseas Living Allowance – HOLA • Dependent Education Allowance • Shift and On-Call Premium
Zero Cost Pools	Zero cost pools (service centers) are departments or other functional units which perform specific technology and/or administrative services primarily for the benefit of other units within a reporting unit.
Pricing Services	Includes the assembly, computation, and validation of task order proposals. These professional services are for the development of financial estimates and forecasts used in engineering changes, task orders, estimates-at-completion, budgetary estimates, rough-order-of-magnitudes (ROMs), and project baselines.
Certain State and Local Taxes	In accordance with the provisions set forth in FAR Subpart 31.205-41, certain state and local taxes are allowable and will be invoiced on a task-order basis where lawfully imposed. Applicable taxes may be identified as an ODC expense; or, for the States of Arizona, Delaware, Hawaii, New Mexico and Washington, these taxes may appear as a line-item on the face of the invoice.

Terms and Conditions Applicable to Order-Level-Materials (Special Item Number 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 552.238-115 *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.

The Maximum Order Threshold for the OLM SINs is \$250,000.

- a.) See clauses 552.212-4 *Contract Terms and Conditions - Commercial Items* and 552.238-115 *Special Ordering Procedures for the Acquisition of Order-Level Materials* (MAY 2019) for additional information on inclusion of OLMs in task and delivery orders placed against an FSS contract or BPA.
- b.) OLMs are only authorized for inclusion at the order level under a T&M or LH CLIN and are subject to an NTE ceiling price.
- c.) The Order-Level Materials SIN contains no items or pricing, since by definition OLMs are *unknown* at the time of FSS contract award. The ordering activity contracting officer is responsible for defining OLMs and determining proposed OLM pricing fair and reasonable for a particular order.
- d.) OLMs are purchased under the authority of the FSS Program and are not "open market items."
- e.) Items awarded under ancillary supplies/services and other direct cost (ODC) SINs are not Order-Level Materials. These SINs are reserved for items that can be defined and priced *up-front* at the FSS contract level.
- f.) The Order-Level Materials SIN cannot be the only SIN awarded on a contract. The Order-Level Materials SIN is only authorized for use in direct support of another awarded SIN.
- g.) The Order-Level Materials SIN is exempt from *Commercial Sales Practices* disclosure requirements.

h.) The Order-Level Materials SIN is exempt from the following clauses: • 552.216-70 *Economic Price Adjustment - FSS Multiple Award Schedule Contracts*

- I-FSS-969 *Economic Price Adjustment - FSS Multiple Award Schedule*
- 552.238-77 *Submission and Distribution of Authorized FSS Schedule Pricelists*, 552.238-81 *Price Reductions*

i.) Terms and conditions that otherwise apply to the FSS contract also apply to the Order-Level Materials SIN. Examples include but are not limited to:

- Trade Agreements Act (TAA)
- Sales reporting and IFF remittance
- Environmental Attributes clauses
- AbilityOne Program Essentially the Same (ETS) compliance

j.) The Order-Level Materials SIN is subject to any transactional data reporting (TDR) requirements in effect under the FSS contract.

k.) Prices for items provided under the Order-Level Materials SIN must be inclusive of the IFF. The cumulative value of OLMs in an individual task or delivery order cannot exceed 33.33% of the total value of the order.

Terms and Conditions Applicable to Highly Adaptive Cyber Security Services (Special Item Number 54151HACS)

1. Scope

- a. The labor categories, prices, terms and conditions stated under Special Item Number 54151HACS Highly Adaptive Cybersecurity Services apply exclusively to Highly Adaptive Cybersecurity Services within the scope of this Information Technology Schedule.
- b. Services under this SIN are limited to Highly Adaptive Cybersecurity Services only. Software and hardware products can be procured under the Order Level Material (OLM) Special Item Number or the software and hardware SINS, and may be quoted along with services to provide a total solution.
- c. This SIN provides ordering activities with access to Highly Adaptive Cybersecurity Services only.
- d. Highly Adaptive Cybersecurity Services provided under this SIN 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.

2. Order

- a. 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 Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.
- b. All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

3. Performance of Services

- a. 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 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 Highly Adaptive Cybersecurity Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts. All travel will be agreed upon with the client prior to the Contractor's travel.

4. Inspection of Services

Inspection of services is in accordance with 552.212-4 - CONTRACT TERMS AND CONDITIONS – COMMERCIAL ITEMS (OCT 2018) (Deviation – FEB 2007) (Deviation – FEB 2018) for Firm-Fixed Price and 552.212-4 – CONTRACT TERMS AND CONDITIONS – COMMERCIAL ITEMS (OCT 2018) (Deviation – FEB 2018) (Alt 1 – JAN 2017) (Deviation FEB 2007) for Time-and-Materials and Labor-Hour Contracts orders placed under this contract.

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 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.

6. Responsibilities of the Ordering Activity

Subject to the ordering activity's security regulations, the ordering activity shall permit Contractor access to all facilities necessary to perform the requisite Highly Adaptive Cybersecurity Services.

7. Independent Contractor

All Highly Adaptive Cybersecurity 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.

8. Organizational Conflicts of Interest

a. Definitions.

"Contractor" means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

"Contractor and its affiliates" and "Contractor or its affiliates" refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

An "Organizational conflict of interest" exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor's or its affiliates' objectivity in performing contract work.

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

9. Invoices

The Contractor, upon completion of the work ordered, shall submit invoices for Highly Adaptive Cybersecurity Services. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.

10. Resumes

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

11. Approval of Subcontractors

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.

12. Description of Highly Adaptive Cyber Security Services and Pricing

a. The Contractor shall provide a description of each type of Highly Adaptive Cybersecurity Service offered under Special Item Number 54151HACS for Highly Adaptive Cybersecurity Services and it should be presented in the same manner as the Contractor sells to its commercial and other ordering activity customers. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles (labor categories) for those individuals who will perform the service should be provided.

b. Pricing for all Highly Adaptive Cybersecurity Services shall be in accordance with the Contractor's customary commercial practices; e.g., hourly rates, minimum general experience and Critical Information Specific to MAS Schedule #47QSMSD20R0001– Multiple Award Schedule.

Northrop Grumman Labor Category Descriptions for SIN 54151HACS – Highly Adaptive Cyber Security Services

The following labor categories describe the typical functional responsibilities and education and experience requirements for each labor category under the Highly Adaptive Cybersecurity Services SIN 54151HACS Highly Adaptive Cyber Security Services. Note – because of the specialized skills required for highly adaptive cybersecurity work, experience is often substituted for degree or degree for experience as shown in the substitution table. The responsibilities identified below are representative and may not be all inclusive of the responsibilities associated with each category.

HACS Cybersecurity Subject Matter Expert

Substitution Table		
Degree	Related Work Experience Substitution	Related Degree and Experience Substitution
Associate's	2 year's work experience may be substituted for an Associate's Degree	2 year's work experience may be substituted for an Associate's Degree
Bachelor's	4 year's work experience may be substituted for a Bachelor's Degree	Associate's Degree plus 2 years work experience may be substituted for a Bachelor's Degree
Master's	6 year's work experience may be substituted for a Master's Degree	Bachelor's Degree plus 2 years work experience may be substituted for a Master's Degree
Doctorate	10 year's work experience may be substituted for a Doctorate Degree	Bachelor's Degree plus 6 years work experience, or a Master's Degree plus 4 years work experience may be substituted for a Doctorate

HACS Cybersecurity Subject Matter Expert Level 4 - Manages a program relating to cybersecurity policy and configuration analysis and evaluation; development, implementation, and management of systems security solutions; authorized security testing; threat and vulnerability assessment; collection and correlation of incident data; mitigation and remediation support; cyber hunt activities; resource management; database planning and design; data/records management; systems analysis and design; network monitoring and analysis services; network services project management; application systems/software/database architecture, analysis, design, documentation, development, modification, and implementation; data recovery and digital chain of evidence support (computer-related evidence collection, processing, preservation, analysis, and presentation); reverse engineering; and other computer-related services. Responsibilities may include planning, risk management, operations management, and project performance addressing cost, schedule, and technical quality for related Work Breakdown Structure (WBS) elements on a large system development-type task or full responsibility for all aspects of program/project(s) performance. **Education and Experience: 14 years with Bachelor's or 12 years with Master's or 9 years with PhD.**

HACS Cybersecurity Subject Matter Expert Level 3 - Manages a program or program segment/project(s) relating to cybersecurity policy and configuration analysis and evaluation; development, implementation, and management of systems security solutions; authorized security testing; threat and vulnerability assessment; collection and correlation of incident data; mitigation and remediation support; cyber hunt activities; resource management; database planning and design; data/records management; systems analysis and design; network monitoring and analysis services; network services project management; application systems/software/database architecture, analysis,

design, documentation, development, modification, and implementation; data recovery and digital chain of evidence support (computer-related evidence collection, processing, preservation, analysis, and presentation); reverse engineering; and other computer-related services. Responsible for providing objective-oriented direction utilizing management guidelines and general policies. Responsibilities may include planning, risk management, operations management, and program/project(s) performance addressing cost, schedule, technical performance, and quality of a work package, subsystem, or related group of work packages on a large system development-type task or full responsibility for all aspects of program/project(s) performance. **Education and Experience: 9 years with Bachelor's or 7 years with Master's, or 4 years with PhD.**

HACS Cybersecurity Subject Matter Expert Level 2 - Responsible for daily operations of a team or work unit (direct supervision of the staff, assignment of work schedules, day-to-day workflow, and operating costs) relating to cybersecurity policy and configuration analysis and evaluation; development, implementation, and management of systems security solutions; authorized security testing; threat and vulnerability assessment; collection and correlation of incident data; mitigation and remediation support; resource management; cyber hunt activities; database planning and design; data/records management; systems analysis and design; network monitoring and analysis services; network services project management; application systems/software/database architecture, analysis, design, documentation, development, modification, and implementation; data recovery and digital chain of evidence support (computer-related evidence collection, processing, preservation, analysis, and presentation); reverse engineering; and other computer-related services. Responsibilities may include cost, schedule, and technical performance, and quality of a work package, subsystem, or related group of work packages on a large system development-type task or full responsibility for all aspects of team performance. **Education and Experience: 5 years with Bachelor's or 3 years with Master's or substitution of experience in lieu of degree.**

HACS Cybersecurity Engineers

HACS Cybersecurity Engineer Level 5 - Leads and/or supports authorized security/penetration testing on enterprise network assets, incident response activities including collection and correlation of incident data for mitigation and remediation, cyber hunt activities, threat and vulnerability assessments, analysis and evaluation of Computer Network Defense policies and configurations, and evaluation for compliance with regulations and enterprise directives.. Possesses in-depth knowledge of principles, concepts, and techniques appropriate to the development, operation of systems, and procedures dealing with real-time security monitoring, response, containment, investigation, and remediation; identification of flaws and weaknesses in the systems; prioritization of security resources; information security/assurance; resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Interprets requirements, performs highly-complex analyses, and resolves complex problems related to security testing principles, tools, and techniques; general attack stages; and identification of systemic security issues. Develops advanced technological ideas and guides their development into a final product. May act as advisor to customers on advanced technical research studies and applications. **Education and Experience: 14 years with Bachelor's or 12 Years w/ Master's, or 9 years with PhD.**

HACS Cybersecurity Engineer Level 4 - Conducts and/or supports authorized security/penetration testing on enterprise network assets, incident response activities including collection and correlation of incident data for mitigation and remediation, cyber hunt activities, threat and vulnerability assessments, analysis and evaluation of Computer Network Defense policies and configurations, and evaluation for compliance with regulations and enterprise directives. Responsibilities may include solving engineering requirements relating to the development, operation of systems, and procedures dealing with real-time security monitoring, response, containment, investigation, and remediation; identification of flaws and weaknesses in the systems; prioritization of security resources; information security/assurance; resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management,

data/records management, and other computer related services. Determines program objectives and requirements and develops standards and guides related to security testing principles, tools, and techniques; general attack stages; and identification of systemic security issues. Guides the successful completion of major programs and may function in a project leadership role. **Education and Experience: 9 years with Bachelor's or 7 years with Masters, or 4 years with PhD.**

HACS Cybersecurity Engineer Level 3 - Conducts and/or supports authorized security/penetration testing on enterprise network assets, incident response activities including collection and correlation of incident data for mitigation and remediation, cyber hunt activities, threat and vulnerability assessments, and analysis and evaluation of Computer Network Defense policies and configurations. Responsibilities may require developing new or improved techniques and procedures relating to the development, operation of systems, and procedures dealing with real-time security monitoring, response, containment, investigation, and remediation; identification of flaws and weaknesses in the systems; prioritization of security resources; information security/assurance; resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services., . Provides analysis on a wide range of requirements related to security testing principles, tools, and techniques; general attack stages; and identification of systemic security issues. Contributes to the completion of specific programs and projects with frequent customer contacts. **Education and Experience: 5 years with Bachelor's or 3 Years with Master's, or experience in lieu of degree.**

HACS Cybersecurity Engineer Level 2 - Conducts and/or supports authorized security/penetration testing on enterprise network assets, incident response activities including collection and correlation of incident data for mitigation and remediation, cyber hunt activities, threat and vulnerability assessments, and analysis and evaluation of Computer Network Defense policies and configurations. Responsibilities may support research and assignments relating to the development, operation of systems, and procedures dealing with real-time security monitoring, response, containment, investigation, and remediation; identification of flaws and weaknesses in the systems; prioritization of security resources; information security/assurance; resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Follows established procedures and contributes to the completion of milestones associated with specific projects and security testing principles, tools, and techniques; general attack stages; and identification of systemic security issues. **Education and Experience: 2 years with Bachelor's Degree, or experience in lieu of degree.**

HACS Cybersecurity Engineer Level 1 - Supports authorized security/penetration testing on enterprise network assets, incident response activities including collection and correlation of incident data for mitigation and remediation, cyber hunt activities, threat and vulnerability assessments, and analysis and evaluation of Computer Network Defense policies and configurations. May develop and recommend solutions to technical requirements as assigned relating to the development, operation of systems, and procedures dealing with engineering support relating to real-time security monitoring, response, containment, investigation, and remediation; identification of flaws and weaknesses in the systems; prioritization of security resources; information security/assurance; resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Follows technical and process guidance and instructions, contributing to the completion of assigned technical fields related to security testing principles, tools, and techniques; general attack stages; and identification of systemic security issues. **Education and Experience: 0 Years of experience with Bachelor's.**

HACS Cybersecurity Analyst

HACS Cybersecurity Analyst Level 5 - Provides and leads cross-functional efforts for: planning; analyzing; designing; developing; documenting; test, training, and exercise (TT&E); operating; measuring/reporting; and/or administering cybersecurity systems, processes and procedures, support infrastructure, capabilities, and programs. Defines and interprets strategic requirements, analyzes and provides guidance, and executes cyber mission tasks including analysis support to penetration testing, incident response activities, cyber hunt activities, and risk and vulnerability assessments. Develops and leads projects, including defining scope, objectives, and methods. Develops advanced technological ideas and guides their development into a final product. May act as advisor to program leadership and customers on advanced concepts for system lifecycle management/engineering and mission assurance. **Education and Experience: 14 years with Bachelor's or 12 Years w/ Master's, or 9 years with PhD.**

HACS Cybersecurity Analyst Level 4 - Provides for: planning; analyzing; designing; developing; documenting; test, training, and exercise (TT&E); operating; measuring/reporting; and/or administering cybersecurity systems, processes and procedures, support infrastructure, capabilities, and programs. Defines and interprets strategic requirements, analyzes and provides guidance, and executes cyber mission tasks including analysis support to penetration testing, incident response activities, cyber hunt activities, and risk and vulnerability assessments. Often works as part of cross-functional teams. Develops and leads projects, including defining scope, objectives, and methods. Develops advanced technological ideas and guides their development into a final product/deliverable. Meets program objectives and requirements and develops standards and guides. Supports the successful completion of programs and may function in a project/task lead role. **Education and Experience: 9 years with Bachelor's or 7 years with Masters, or 4 years with PhD.**

HACS Cybersecurity Analyst Level 3 - Provides for: planning; analyzing; designing; developing; documenting; test, training, and exercise (TT&E); operating; measuring/reporting; and/or administering cybersecurity systems, processes and procedures, support infrastructure, capabilities, and programs. Defines and interprets strategic requirements, analyzes and provides guidance, and executes cyber mission tasks including analysis support to penetration testing, incident response activities, cyber hunt activities, and risk and vulnerability assessments. Develops and leads projects, including defining scope, objectives, and methods. Develops advanced technological solutions and their implementation into a final product/deliverable. Meets program objectives and requirements and develops standards and guides. Contributes to the completion of specific cross-functional tasks and projects. **Education and Experience: 5 years with Bachelor's or 3 Years with Master's, or experience in lieu of degree.**

HACS Cybersecurity Analyst Level 2 - Provides for: planning; analyzing; designing; developing; documenting; test, training, and exercise (TT&E); operating; measuring/reporting; and/or administering cybersecurity systems, processes and procedures, support infrastructure, capabilities, and programs. Defines and interprets strategic requirements, analyzes and provides guidance, and executes cyber mission tasks including analysis support to penetration testing, incident response activities, cyber hunt activities, and risk and vulnerability assessments. Develops and leads projects, including defining scope, objectives, and methods. Develops advanced technological solutions and their implementation into a final product/deliverable. Meets program objectives and requirements and develops standards and guides. Contributes to the completion of specific cross-functional tasks and projects. Follows established procedures and contributes to the completion of milestones associated with specific projects. **2 years with Bachelor's Degree, or experience in lieu of degree.**

HACS Cybersecurity Analyst Level 1 - Provides for: planning; analyzing; designing; developing; documenting; test, training, and exercise (TT&E); operating; measuring/reporting; and/or administering cybersecurity systems, processes and procedures, support infrastructure, capabilities, and programs. Defines and interprets strategic requirements, analyzes and provides guidance, and executes cyber mission tasks including analysis support to penetration testing, incident response activities, cyber hunt activities, and risk and vulnerability assessments. Develops and leads projects, including defining scope,

objectives, and methods. Develops advanced technological solutions and their implementation into a final product/deliverable. Meets program objectives and requirements and develops standards and guides. Contributes to the completion of specific cross-functional tasks and projects. Follows established procedures and contributes to the completion of milestones associated with specific projects. **Education and Experience: 0 Years with Bachelor's.**

HACS Cybersecurity Support

HACS Cybersecurity Support Level 5 - Duties may include activities related to program administration, scheduling, contracts, and financial management. Demonstrates skill to analyze and develop innovative solutions supporting the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, mission assurance, project management, data/records management, and other computer related services. Develops advanced concepts, techniques, and standards; creates new applications based on professional principles and theories. Provides comprehensive business management, project control, process improvement, metrics and graphical design support. Ensures solutions are consistent with program objectives. May directly interact with customers, and support cross-functional teams across a program. **Education and Experience: 15 years with Bachelor's, 13 years with Master's or experience in lieu of degree.**

HACS Cybersecurity Support Level 4 - Duties may include activities related to program administration, scheduling, contracts, and financial management. Demonstrates skill to analyze and develop innovative solutions supporting the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, mission assurance, project management, data/records management, and other computer related services. Develops advanced concepts, techniques, and standards; creates new applications based on professional principles and theories. Ensures solutions are consistent with program objectives. Provides business management, project control, process improvement, metrics and graphical design support. May directly interact with customers, and support cross-functional teams across a program. **Education and Experience: 10 years with Bachelor's, 8 years with Master's or experience in lieu of degree.**

HACS Cybersecurity Support level 3 - Duties may include activities related to program administration, scheduling, contracts, and financial management. Demonstrates skill to analyze and develop innovative solutions supporting the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, mission assurance, project management, data/records management, and other computer related services. Provides business management, project control, process improvement, metrics and graphical design support. Develops concepts, techniques, and standards; creates new applications based on professional principles and theories. Executes processes and procedures consistent with program objectives. **Education and Experience: 6 years with Bachelor's, 4 years with Master's, or experience in lieu of degree.**

HACS Cybersecurity Support Level 2 - Duties may include activities related to program administration, scheduling, contracts, and financial management. Demonstrates skill to analyze and develop innovative solutions supporting the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, mission assurance, project management, data/records management, and other computer related services. Provides process improvement, metrics and graphical design support. Executes processes and procedures consistent with program objectives. **Education and Experience: 3 years with Bachelor's, 1 years with Master's, or experience in lieu of degree.**

HACS Cybersecurity Support Level 1 - Duties may include activities related to program administration, scheduling, contracts, and financial management. Demonstrates skill to analyze and develop innovative solutions supporting the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, mission assurance, project management, data/records management, and other computer related services. Provides process improvement, metrics and graphical design support. Executes processes and procedures consistent with program objectives. **Education and Experience: 0 years of experience with Bachelor's.**

**Northrop Grumman Labor Category Rates for
SIN 54151HACS – HACS Services**

SINs 54151HACS	Order No.	Labor Category	Effective 13 October 2017 – 26 January 2018	
			Contractor Site	Government Site
			Hourly	Hourly
HACS Cybersecurity SME (Exempt Labor)				
	HACS-SME04	HACS Cybersecurity SME Level 4	\$289.24	\$246.59
	HACS-SME03	HACS Cybersecurity SME Level 3	\$257.76	\$219.76
	HACS-SME02	HACS Cybersecurity SME Level 2	\$224.24	\$191.17
Cybersecurity Engineer (Exempt Labor)				
	HACS-ENG05	Cybersecurity Engineer Level 5	\$232.75	\$198.44
	HACS-ENG04	Cybersecurity Engineer Level 4	\$190.87	\$162.72
	HACS-ENG03	Cybersecurity Engineer Level 3	\$149.64	\$127.58
	HACS-ENG02	Cybersecurity Engineer Level 2	\$113.34	\$96.62
	HACS-ENG01	Cybersecurity Engineer Level 1	\$106.78	\$91.03
HACS Cyber Analyst (Exempt Labor)				
	HACS-ANL05	Cyber Analyst Level 5	\$206.12	\$175.73
	HACS-ANL04	Cyber Analyst Level 4	\$174.09	\$148.42
	HACS-ANL03	Cyber Analyst Level 3	\$138.51	\$118.09
	HACS-ANL02	Cyber Analyst Level 2	\$115.40	\$98.39
	HACS-ANL01	Cyber Analyst Level 1	\$97.68	\$83.28
HACS Cyber Support (Exempt Labor)				
	HACS-SUP05	Cyber Support Level 5	\$194.57	\$165.88
	HACS-SUP04	Cyber Support Level 4	\$169.96	\$144.91
	HACS-SUP03	Cyber Support Level 3	\$141.25	\$120.42
	HACS-SUP02	Cyber Support Level 2	\$110.90	\$94.54
	HACS-SUP01	Cyber Support Level 1	\$88.07	\$75.09

SINs 54151HACS	Order No.	Labor Category	Effective 27 January 2018 – 26 January 2019	
			Contractor Site	Government Site
			Hourly	Hourly
HACS Cybersecurity SME (Exempt Labor)				
	HACS-SME04	HACS Cybersecurity SME Level 4	\$295.02	\$251.52
	HACS-SME03	HACS Cybersecurity SME Level 3	\$262.91	\$224.15
	HACS-SME02	HACS Cybersecurity SME Level 2	\$228.73	\$195.00
Cybersecurity Engineer (Exempt Labor)				
	HACS-ENG05	Cybersecurity Engineer Level 5	\$237.40	\$202.41
	HACS-ENG04	Cybersecurity Engineer Level 4	\$194.69	\$165.98
	HACS-ENG03	Cybersecurity Engineer Level 3	\$152.63	\$130.14
	HACS-ENG02	Cybersecurity Engineer Level 2	\$115.61	\$98.56
	HACS-ENG01	Cybersecurity Engineer Level 1	\$108.92	\$92.85
HACS Cyber Analyst (Exempt Labor)				
	HACS-ANL05	Cyber Analyst Level 5	\$210.24	\$179.23
	HACS-ANL04	Cyber Analyst Level 4	\$177.57	\$151.39
	HACS-ANL03	Cyber Analyst Level 3	\$141.27	\$120.44
	HACS-ANL02	Cyber Analyst Level 2	\$117.71	\$100.35
	HACS-ANL01	Cyber Analyst Level 1	\$99.64	\$84.95
HACS Cyber Support (Exempt Labor)				
	HACS-SUP05	Cyber Support Level 5	\$198.46	\$169.20
	HACS-SUP04	Cyber Support Level 4	\$173.37	\$147.81
	HACS-SUP03	Cyber Support Level 3	\$144.08	\$122.83
	HACS-SUP02	Cyber Support Level 2	\$113.12	\$96.42
	HACS-SUP01	Cyber Support Level 1	\$89.83	\$76.59

SINs 54151HACS	Order No.	Labor Category	Effective 27 January 2019 – 26 January 2020	
			Contractor Site	Government Site
			Hourly	Hourly
HACS Cybersecurity SME (Exempt Labor)				
	HACS-SME04	HACS Cybersecurity SME Level 4	\$300.93	\$256.54
	HACS-SME03	HACS Cybersecurity SME Level 3	\$268.17	\$228.63
	HACS-SME02	HACS Cybersecurity SME Level 2	\$233.30	\$198.90
Cybersecurity Engineer (Exempt Labor)				
	HACS-ENG05	Cybersecurity Engineer Level 5	\$242.15	\$206.46
	HACS-ENG04	Cybersecurity Engineer Level 4	\$198.58	\$169.30
	HACS-ENG03	Cybersecurity Engineer Level 3	\$155.69	\$132.74
	HACS-ENG02	Cybersecurity Engineer Level 2	\$117.92	\$100.53
	HACS-ENG01	Cybersecurity Engineer Level 1	\$111.09	\$94.70
HACS Cyber Analyst (Exempt Labor)				
	HACS-ANL05	Cyber Analyst Level 5	\$214.45	\$182.82
	HACS-ANL04	Cyber Analyst Level 4	\$181.12	\$154.42
	HACS-ANL03	Cyber Analyst Level 3	\$144.10	\$122.86
	HACS-ANL02	Cyber Analyst Level 2	\$120.07	\$102.36
	HACS-ANL01	Cyber Analyst Level 1	\$101.63	\$86.64
HACS Cyber Support (Exempt Labor)				
	HACS-SUP05	Cyber Support Level 5	\$202.43	\$172.58
	HACS-SUP04	Cyber Support Level 4	\$176.85	\$150.76
	HACS-SUP03	Cyber Support Level 3	\$146.96	\$125.28
	HACS-SUP02	Cyber Support Level 2	\$115.38	\$98.35
	HACS-SUP01	Cyber Support Level 1	\$91.63	\$78.14

SINs 54151HACS	Order No.	Labor Category	Effective 27 January 2020 – 26 January 2021	
			Contractor Site	Government Site
			Hourly	Hourly
HACS Cybersecurity SME (Exempt Labor)				
	HACS-SME04	HACS Cybersecurity SME Level 4	\$306.94	\$261.67
	HACS-SME03	HACS Cybersecurity SME Level 3	\$273.54	\$233.20
	HACS-SME02	HACS Cybersecurity SME Level 2	\$237.96	\$202.88
Cybersecurity Engineer (Exempt Labor)				
	HACS-ENG05	Cybersecurity Engineer Level 5	\$246.99	\$210.59
	HACS-ENG04	Cybersecurity Engineer Level 4	\$202.55	\$172.69
	HACS-ENG03	Cybersecurity Engineer Level 3	\$158.80	\$135.39
	HACS-ENG02	Cybersecurity Engineer Level 2	\$120.27	\$102.55
	HACS-ENG01	Cybersecurity Engineer Level 1	\$113.31	\$96.59
HACS Cyber Analyst (Exempt Labor)				
	HACS-ANL05	Cyber Analyst Level 5	\$218.74	\$186.48
	HACS-ANL04	Cyber Analyst Level 4	\$184.75	\$157.51
	HACS-ANL03	Cyber Analyst Level 3	\$146.98	\$125.31
	HACS-ANL02	Cyber Analyst Level 2	\$122.47	\$104.40
	HACS-ANL01	Cyber Analyst Level 1	\$103.67	\$88.37
HACS Cyber Support (Exempt Labor)				
	HACS-SUP05	Cyber Support Level 5	\$206.48	\$176.04
	HACS-SUP04	Cyber Support Level 4	\$180.38	\$153.77
	HACS-SUP03	Cyber Support Level 3	\$149.90	\$127.79
	HACS-SUP02	Cyber Support Level 2	\$117.68	\$100.31
	HACS-SUP01	Cyber Support Level 1	\$93.46	\$79.70

SINs 54151HACS	Order No.	Labor Category	Effective 27 January 2021 – 26 January 2022	
			Contractor Site	Government Site
			Hourly	Hourly
HACS Cybersecurity SME (Exempt Labor)				
	HACS-SME04	HACS Cybersecurity SME Level 4	\$313.08	\$266.90
	HACS-SME03	HACS Cybersecurity SME Level 3	\$279.00	\$237.87
	HACS-SME02	HACS Cybersecurity SME Level 2	\$242.73	\$206.94
Cybersecurity Engineer (Exempt Labor)				
	HACS-ENG05	Cybersecurity Engineer Level 5	\$251.93	\$214.80
	HACS-ENG04	Cybersecurity Engineer Level 4	\$206.60	\$176.13
	HACS-ENG03	Cybersecurity Engineer Level 3	\$161.97	\$138.10
	HACS-ENG02	Cybersecurity Engineer Level 2	\$122.68	\$104.60
	HACS-ENG01	Cybersecurity Engineer Level 1	\$115.58	\$98.53
HACS Cyber Analyst (Exempt Labor)				
	HACS-ANL05	Cyber Analyst Level 5	\$223.11	\$190.21
	HACS-ANL04	Cyber Analyst Level 4	\$188.43	\$160.66
	HACS-ANL03	Cyber Analyst Level 3	\$149.92	\$127.82
	HACS-ANL02	Cyber Analyst Level 2	\$124.93	\$106.49
	HACS-ANL01	Cyber Analyst Level 1	\$105.74	\$90.15
HACS Cyber Support (Exempt Labor)				
	HACS-SUP05	Cyber Support Level 5	\$210.61	\$179.56
	HACS-SUP04	Cyber Support Level 4	\$184.00	\$156.85
	HACS-SUP03	Cyber Support Level 3	\$152.91	\$130.34
	HACS-SUP02	Cyber Support Level 2	\$120.04	\$102.32
	HACS-SUP01	Cyber Support Level 1	\$95.32	\$81.30

**Terms and Conditions Applicable to Information Technology
Professional Services (Special Item Number 54151S)**

1. Scope

- a. The prices, terms, and conditions stated under Special Item Number 54151S Information Technology (IT) Professional Services apply exclusively to IT Professional Services within the scope of this MAS Schedule.
- b. The Contractor shall provide services at the Contractor's facility and/or at the ordering activity location (government site), as agreed to by the Contractor and the ordering activity.

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

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

3. Order

- a. Agencies may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks which extend beyond the fiscal year for which funds are available shall include FAR 52.232-19 (Deviation – May 2003) Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.
- b. All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

4. Performance of Services

- a. The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.
- b. The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.
- c. The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.
- d. Any Contractor travel required in the performance of IT Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

5. Stop-Work Order (FAR 52.242-15) (AUG 1989)

- a. The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either-
- (1) Cancel the stop-work order; or
 - (2) Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.
- b. If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if-
- (1) The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and
 - (2) The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.
- c. If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.
- d. If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

6. Inspection of Services

In accordance with FAR 552.212-4 CONTRACT TERMS AND CONDITIONS - COMMERCIAL ITEMS (OCT 2018) (Deviation – FEB 2007) (Deviation – FEB 2018) for Firm-Fixed Price orders and FAR 552.212-4 CONTRACT TERMS AND CONDITIONS COMMERCIAL ITEMS (OCT 2018) (DEVIATION – FEB 2018) (Alt 1 – JAN 2017) (Deviation FEB 2007) applies to Time-and-Materials and Labor-Hour Contracts orders placed under this contract.

7. Responsibilities of the Contractor

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

8. Responsibilities of the Ordering Activity

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

9. Independent Contractor

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

10. Organizational Conflicts of Interest

a. Definitions.

"Contractor" means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

"Contractor and its affiliates" and "Contractor or its affiliates" refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

An "Organizational conflict of interest" exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor's or its affiliates' objectivity in performing contract work.

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

11. Invoices

The Contractor, upon completion of the work ordered, shall submit invoices for IT Professional services. Progress payments may be authorized by the ordering activity on individual orders if agreed to between the parties. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month or more frequently as agreed to between the parties.

12. Payments

For Firm-Fixed price orders the ordering activity shall pay the Contractor, upon submission of proper invoices or vouchers, the prices stipulated in this contract for service rendered and accepted. Progress payments shall be made only when authorized by the order. For Time-and-Materials orders, the Payments under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (OCT 2018) (DEVIATION – FEB 2018) (Alt 1 – JAN 2017) applies to this contract. In addition, FAR 52.216-31(FEB 2007) is applicable for Time-and-Materials/Labor-Hour Proposal Requirements—Commercial Item Acquisition, as prescribed in 16.601(f)(3), insert the following provision:

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

13. Resumes

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

14. Incidental Support Costs

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

15. Approval of Subcontracts

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

16. Description of SIN 54151S – IT Professional Services and Pricing

Labor category descriptions and rates for SIN 54151S can be found in the table below.

Northrop Grumman Labor Category Descriptions for SIN 54151S – IT Professional Services and

Consistent with Northrop Grumman hiring practices, experience can be substituted for education and education for experience. The table below provides Northrop Grumman’s education/experience substitution guidelines. Experience, education, and description of duties for the service categories in the schedule are provided as a guideline to the typical background for staff to be provided under individual task orders.

Northrop Grumman utilizes commercial hiring practices when recruiting and the degree and education requirements are stated in general terms. For the IT professional labor categories of the MAS Schedule, education and/or experience may preferably be in an IT related field, such as computer science, IT, database management, network security, management, business, or other related fields.

Degree	Related Work Experience Substitution	Related Degree and Experience Substitution
Associate’s	2 years work experience may be substituted for an Associate’s Degree	2 years work experience may be substituted for an Associate’s Degree
Bachelor’s	4 years work experience may be substituted for a Bachelor’s Degree	Associate’s Degree plus 2 years work experience may be substituted for a Bachelor’s Degree
Master’s	6 years work experience may be substituted for a Master’s Degree	Bachelor’s Degree plus 2 years work experience may be substituted for a Master’s Degree
Doctorate	10 years work experience may be substituted for a Doctorate Degree	Bachelor’s Degree plus 6 years work experience, or a Master’s Degree plus 4 years work experience may be substituted for a Doctorate

Information Technology Manager (Exempt Labor)

IT Manager Level 5 (IT-MGR05) - Oversees all major functions, disciplines, or segments of a program/project relating to resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Responsibilities may include long-range planning; and full responsibility for all aspects of program/project performance. **Education and Experience: 20 years with Bachelor’s or 18 years with Master’s or 15 years with PhD.**

IT Manager Level 4 (IT-MGR04) - Directs a major function, discipline, or significant segment of a functional group or program relating to resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Responsibilities may include planning, risk management, and project performance addressing cost, schedule, and technical quality for large system development task or full responsibility for all aspects of program performance on a large technical services or systems integration task. **Education and Experience: 14 years with Bachelor’s or 12 years with Master’s or 9 years with PhD.**

IT Manager Level 3 (IT-MGR03) - Manages a program relating to resources and facilities management, database planning and design, systems analysis and design, network services,

programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Responsibilities may include planning, risk management, and project performance addressing cost, schedule, and technical quality for related Work Breakdown Structure (WBS) elements on a large system development-type task or full responsibility for all aspects of program/project performance on a large technical services-type task. **Education and Experience: 9 years with Bachelor's or 7 years with Master's or 4 years with PhD.**

IT Manager Level 2 (IT-MGR02) - Manages a segment of a program, project, or function relating to resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Responsible for providing objective-oriented direction utilizing management guidelines and general policies. Responsibilities may include planning and program/project performance addressing cost, schedule, technical performance, and quality of a work package, subsystem, or related group of work packages on a large system development-type task or full responsibility for all aspects of program/project performance on technical services-type task. **Education and Experience: 5 years with Bachelor's or 3 years with Master's or 0 years with PhD.**

IT Manager Level 1 (IT-MGR01) - Responsible for daily operations of a team or work unit (direct supervision of the staff, assignment of work, schedules, day-to-day workflow, and operating costs) relating to resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Responsibilities may include cost, schedule, and technical performance of a specific unit or work package on a large system development-type task or broad responsibility for all aspects of program/project performance on a small technical services-type task. **Education and Experience: 2 years with Bachelor's or 0 years with Master's.**

Information Technology Engineer (Exempt Labor)

IT Engineer Level 6 (IT-ENG06) - Responsible for high-level engineering support and management relating to resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Defines and interprets strategic requirements and analyzes and provides guidance on strategic issues and complex problems. Develops and leads large projects, including defining scope, objectives, and methods. Applies and/or develops highly advanced technologies, scientific principles, theories, and concepts. Resolves issues associated with the development and implementation of operational programs. Recognized as an expert in the field, providing a major impact on program success and productivity. **Education and Experience: 20 years with Bachelor's or 18 years with Master's or 15 years with PhD.**

IT Engineer Level 5 (IT-ENG05) - Possesses in-depth knowledge of principles, concepts, and techniques appropriate for engineering support relating to resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Interprets requirements, performs highly complex analyses, and resolves complex problems. Develops advanced technological ideas and guides their development into a final product. May act as advisor to customers on advanced technical research studies and applications. Provides leadership efforts, training, mentoring, and guidance. May lead medium to large projects, including defining scope, objectives, and methods. **Education and Experience: 14 years with Bachelor's or 12 years with Master's or 9 years with PhD.**

IT Engineer Level 4 (IT-ENG04) - Responsible for solving engineering problems relating to resources and facilities management, database planning and design, systems analysis and design, network services,

programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Determines program objectives and requirements and develops standards and guides for diverse engineering and scientific activities. Guides the successful completion of major programs and may function in a project leadership role. Serves as the prime technical contact on contracts and projects. Interacts with customers on significant technical matters. **Education and Experience: 9 years with Bachelor's or 7 years with Master's or 4 years with PhD.**

IT Engineer Level 3 (IT-ENG03) - Responsible for engineering support relating to resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Contributes to the completion of specific programs and projects with frequent customer contact. **Education and Experience: 5 years with Bachelor's or 3 years with Master's or 0 years with PhD.**

IT Engineer Level 2 (IT-ENG02) - Responsible for engineering support relating to resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Follows established procedures and contributes to the completion of milestones associated with specific projects. **Education and Experience: 2 years with Bachelor's or 0 years with Master's.**

IT Engineer Level 1 (IT-ENG01) - Responsible for engineering support relating to resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Follows technical and process guidance and instructions, contributing to the completion of assigned technical tasks. **Education and Experience: 0 years with Bachelor's.**

Information Technology Analyst (Exempt Labor)

IT Analyst Level 6 (IT-ANL06) - Responsible for planning, organizing, and directing programs relating to the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Defines and interprets strategic requirements, and analyzes and provides guidance on strategic issues. Develops and leads large projects, including defining scope, objectives, and methods. Applies and/or develops advanced technologies, scientific principles, theories, and concepts. Recognized as an expert in the field, providing a major impact on customer success and productivity. **Education and Experience: 20 years with Bachelor's or 18 years with Master's or 15 years with PhD.**

IT Analyst Level 5 (IT-ANL05) - Possesses in-depth knowledge of principles, concepts, and techniques appropriate to the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Interprets requirements, performs highly complex analyses, and resolves complex problems. Develops advanced technological ideas and guides their development into a final product. May act as advisor to customers on advanced technical research studies and applications. **Education and Experience: 14 years with Bachelor's or 12 years with Master's or 9 years with PhD.**

IT Analyst Level 4 (IT-ANL04) - Responsibilities may include solving engineering requirements relating to the development, operation of systems, and procedures dealing with resources and facilities

management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer-related services. Determines program objectives and requirements and develops standards and guides. Guides the successful completion of major programs and may function in a project leadership role. **Education and Experience: 9 years with Bachelor's or 7 years with Master's or 4 years with PhD.**

IT Analyst Level 3 (IT-ANL03) - Responsibilities may require developing new or improved techniques and procedures relating to the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Provides analysis on a wide range of requirements. Contributes to the completion of specific programs and projects with frequent customer contacts. **Education and Experience: 5 years with Bachelor's or 3 years with Master's or 0 years with PhD.**

IT Analyst Level 2 (IT-ANL02) - Responsibilities may support research and assignments relating to the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Follows established procedures and contributes to the completion of milestones associated with specific projects. **Education and Experience: 2 years with Bachelor's or 0 years with Master's.**

IT Analyst Level 1 (IT-ANL01) - May develop and recommend solutions to technical requirements as assigned relating to the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Follows technical and process guidance and instructions, contributing to the completion of assigned technical tasks. **Education and Experience: 0 Years with Bachelor's Degree.**

Information Technology Support (Exempt Labor)

IT Support Level 5 (IT-ADM05) - Duties may include activities related to program administration, scheduling, contracts, and pricing. Demonstrates skill to analyze and develop innovative solutions to complex problems supporting the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Develops advanced concepts, techniques, and standards; creates new applications based on professional principles and theories. Viewed as expert in the field. **Education and Experience: 15 years with Bachelor's or 13 years with Master's.**

IT Support Level 4 (IT-ADM04) - Duties may include activities related to program administration, scheduling, contracts, and pricing. Contributes to the development of new concepts, techniques, and standards dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Creates and identifies solutions to complex problems. Ensures solutions are consistent with program objectives. May act as an advisor to customers and is considered an expert in the field within the program. **Education and Experience: 10 years with Bachelor's or 8 years with Master's.**

IT Support Level 3 (IT-ADM03) - Duties may include activities related to program administration, scheduling, contracts and pricing. Understands and applies principles, concepts, practices, and standards supporting the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Full knowledge of industry practices. Demonstrates the skill to perform fairly complex professional tasks and develop solutions. **Education and Experience: 6 years with Bachelor's or 4 years with Master's.**

IT Support Level 2 (IT-ADM02) - Duties may include activities related to program administration, scheduling, contracts, and pricing. Job requires frequent use and general knowledge of industry practices, techniques, standards and a general application of concepts and principles to support the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Demonstrates the skill and ability to perform moderately complex professional tasks, and develop solutions to a variety of problems of moderate scope and complexity. **Education and Experience: 3 years with Bachelor's or 1 year with Master's.**

IT Support Level 1 (IT-ADM01) – Provides entry-level support for activities that may include program administration, scheduling, contracts, and pricing. Job requires limited use and/or application of basic principles, theories, and concepts and a general knowledge of industry practices and standards relating to support of the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Demonstrates the skill and ability to perform basic professional tasks, and solve routine problems of limited scope and complexity following established policies and procedures. **Education and Experience: 0 years with a Bachelor's degree.**

**Northrop Grumman Labor Category Rates for
SIN 54151S – IT Professional Services**

SIN 54151S	Order No.	Labor Category	Effective 27 January 2016 – 25 July 2017	
			Contractor Site	Government Site
			Hourly	Hourly
IT Manager (Exempt Labor)				
	IT-MGR05	IT Manager Level 5	\$353.38	
	IT-MGR04	IT Manager Level 4	\$325.44	\$297.59
	IT-MGR03	IT Manager Level 3	\$280.46	\$251.62
	IT-MGR02	IT Manager Level 2	\$230.65	\$206.94
	IT-MGR01	IT Manager Level 1	\$175.94	\$157.84
IT Engineer (Exempt Labor)				
	IT-ENG06	IT Engineer Level 6	\$306.87	\$275.31
	IT-ENG05	IT Engineer Level 5	\$269.05	\$241.38
	IT-ENG04	IT Engineer Level 4	\$215.90	\$193.71
	IT-ENG03	IT Engineer Level 3	\$169.07	\$151.66
	IT-ENG02	IT Engineer Level 2	\$137.18	\$123.08
	IT-ENG01	IT Engineer Level 1	\$116.35	\$104.40
IT Analyst (Exempt Labor)				
	IT-ANL06	IT Analyst Level 6	\$306.87	\$275.31
	IT-ANL05	IT Analyst Level 5	\$269.05	\$241.38
	IT-ANL04	IT Analyst Level 4	\$215.90	\$193.71
	IT-ANL03	IT Analyst Level 3	\$169.07	\$151.66
	IT-ANL02	IT Analyst Level 2	\$137.18	\$123.08
	IT-ANL01	IT Analyst Level 1	\$116.35	\$104.41
IT Support (Exempt Labor)				
	IT-ADM05	IT Support Level 5	\$220.01	\$197.39
	IT-ADM04	IT Support Level 4	\$182.90	\$164.08
	IT-ADM03	IT Support Level 3	\$146.31	\$131.28
	IT-ADM02	IT Support Level 2	\$115.32	\$103.46
	IT-ADM01	IT Support Level 1	\$101.87	\$91.40

SIN 54151S	Order No.	Labor Category	Effective 26 July 2017 – 26 January 2018	
			Contractor Site	Government Site
			Hourly	Hourly
IT Manager (Exempt Labor)				
	IT-MGR05	IT Manager Level 5	\$ 360.45	
	IT-MGR04	IT Manager Level 4	\$ 331.95	\$ 303.54
	IT-MGR03	IT Manager Level 3	\$ 286.07	\$ 256.65
	IT-MGR02	IT Manager Level 2	\$ 235.26	\$ 211.08
	IT-MGR01	IT Manager Level 1	\$ 179.46	\$ 161.00
IT Engineer (Exempt Labor)				
	IT-ENG06	IT Engineer Level 6	\$ 313.01	\$ 280.82
	IT-ENG05	IT Engineer Level 5	\$ 274.43	\$ 246.21
	IT-ENG04	IT Engineer Level 4	\$ 220.22	\$ 197.58
	IT-ENG03	IT Engineer Level 3	\$ 172.45	\$ 154.69
	IT-ENG02	IT Engineer Level 2	\$ 139.92	\$ 125.54
	IT-ENG01	IT Engineer Level 1	\$ 118.68	\$ 106.49
IT Analyst (Exempt Labor)				
	IT-ANL06	IT Analyst Level 6	\$ 313.01	\$ 280.82
	IT-ANL05	IT Analyst Level 5	\$ 274.43	\$ 246.21
	IT-ANL04	IT Analyst Level 4	\$ 220.22	\$ 197.58
	IT-ANL03	IT Analyst Level 3	\$ 172.45	\$ 154.69
	IT-ANL02	IT Analyst Level 2	\$ 139.92	\$ 125.54
	IT-ANL01	IT Analyst Level 1	\$ 118.68	\$ 106.50
IT Support (Exempt Labor)				
	IT-ADM05	IT Support Level 5	\$ 224.41	\$ 201.34
	IT-ADM04	IT Support Level 4	\$ 186.56	\$ 167.36
	IT-ADM03	IT Support Level 3	\$ 149.24	\$ 133.91
	IT-ADM02	IT Support Level 2	\$ 117.63	\$ 105.53
	IT-ADM01	IT Support Level 1	\$ 103.91	\$ 93.23

SIN 54151S	Order No.	Labor Category	Effective 27 January 2018 – 26 January 2019	
			Contractor Site	Government Site
			Hourly	Hourly
IT Manager (Exempt Labor)				
	IT-MGR05	IT Manager Level 5	\$ 367.66	
	IT-MGR04	IT Manager Level 4	\$ 338.59	\$ 309.61
	IT-MGR03	IT Manager Level 3	\$ 291.79	\$ 261.78
	IT-MGR02	IT Manager Level 2	\$ 239.97	\$ 215.30
	IT-MGR01	IT Manager Level 1	\$ 183.05	\$ 164.22
IT Engineer (Exempt Labor)				
	IT-ENG06	IT Engineer Level 6	\$ 319.27	\$ 286.44
	IT-ENG05	IT Engineer Level 5	\$ 279.92	\$ 251.13
	IT-ENG04	IT Engineer Level 4	\$ 224.62	\$ 201.53
	IT-ENG03	IT Engineer Level 3	\$ 175.90	\$ 157.78
	IT-ENG02	IT Engineer Level 2	\$ 142.72	\$ 128.05
	IT-ENG01	IT Engineer Level 1	\$ 121.05	\$ 108.62
IT Analyst (Exempt Labor)				
	IT-ANL06	IT Analyst Level 6	\$ 319.27	\$ 286.44
	IT-ANL05	IT Analyst Level 5	\$ 279.92	\$ 251.13
	IT-ANL04	IT Analyst Level 4	\$ 224.62	\$ 201.53
	IT-ANL03	IT Analyst Level 3	\$ 175.90	\$ 157.78
	IT-ANL02	IT Analyst Level 2	\$ 142.72	\$ 128.05
	IT-ANL01	IT Analyst Level 1	\$ 121.05	\$ 108.63
IT Support (Exempt Labor)				
	IT-ADM05	IT Support Level 5	\$ 228.90	\$ 205.37
	IT-ADM04	IT Support Level 4	\$ 190.29	\$ 170.71
	IT-ADM03	IT Support Level 3	\$ 152.22	\$ 136.59
	IT-ADM02	IT Support Level 2	\$ 119.98	\$ 107.64
	IT-ADM01	IT Support Level 1	\$ 105.99	\$ 95.09

SIN 54151S	Order No.	Labor Category	Effective 27 January 2019 – 26 January 2020	
			Contractor Site	Government Site
			Hourly	Hourly
IT Manager (Exempt Labor)				
	IT-MGR05	IT Manager Level 5	\$ 375.01	
	IT-MGR04	IT Manager Level 4	\$ 345.36	\$ 315.80
	IT-MGR03	IT Manager Level 3	\$ 297.63	\$ 267.02
	IT-MGR02	IT Manager Level 2	\$ 244.77	\$ 219.61
	IT-MGR01	IT Manager Level 1	\$ 186.71	\$ 167.50
IT Engineer (Exempt Labor)				
	IT-ENG06	IT Engineer Level 6	\$ 325.66	\$ 292.17
	IT-ENG05	IT Engineer Level 5	\$ 285.52	\$ 256.15
	IT-ENG04	IT Engineer Level 4	\$ 229.11	\$ 205.56
	IT-ENG03	IT Engineer Level 3	\$ 179.42	\$ 160.94
	IT-ENG02	IT Engineer Level 2	\$ 145.57	\$ 130.61
	IT-ENG01	IT Engineer Level 1	\$ 123.47	\$ 110.79
IT Analyst (Exempt Labor)				
	IT-ANL06	IT Analyst Level 6	\$ 325.66	\$ 292.17
	IT-ANL05	IT Analyst Level 5	\$ 285.52	\$ 256.15
	IT-ANL04	IT Analyst Level 4	\$ 229.11	\$ 205.56
	IT-ANL03	IT Analyst Level 3	\$ 179.42	\$ 160.94
	IT-ANL02	IT Analyst Level 2	\$ 145.57	\$ 130.61
	IT-ANL01	IT Analyst Level 1	\$ 123.47	\$ 110.80
IT Support (Exempt Labor)				
	IT-ADM05	IT Support Level 5	\$ 233.48	\$ 209.48
	IT-ADM04	IT Support Level 4	\$ 194.10	\$ 174.12
	IT-ADM03	IT Support Level 3	\$ 155.26	\$ 139.32
	IT-ADM02	IT Support Level 2	\$ 122.38	\$ 109.79
	IT-ADM01	IT Support Level 1	\$ 108.11	\$ 96.99

SIN 54151S	Order No.	Labor Category	Effective 27 January 2020 – 26 January 2021	
			Contractor Site	Government Site
			Hourly	Hourly
IT Manager (Exempt Labor)				
	IT-MGR05	IT Manager Level 5	\$ 382.51	
	IT-MGR04	IT Manager Level 4	\$ 352.27	\$ 322.12
	IT-MGR03	IT Manager Level 3	\$ 303.58	\$ 272.36
	IT-MGR02	IT Manager Level 2	\$ 249.67	\$ 224.00
	IT-MGR01	IT Manager Level 1	\$ 190.44	\$ 170.85
IT Engineer (Exempt Labor)				
	IT-ENG06	IT Engineer Level 6	\$ 332.17	\$ 298.01
	IT-ENG05	IT Engineer Level 5	\$ 291.23	\$ 261.27
	IT-ENG04	IT Engineer Level 4	\$ 233.69	\$ 209.67
	IT-ENG03	IT Engineer Level 3	\$ 183.01	\$ 164.16
	IT-ENG02	IT Engineer Level 2	\$ 148.48	\$ 133.22
	IT-ENG01	IT Engineer Level 1	\$ 125.94	\$ 113.01
IT Analyst (Exempt Labor)				
	IT-ANL06	IT Analyst Level 6	\$ 332.17	\$ 298.01
	IT-ANL05	IT Analyst Level 5	\$ 291.23	\$ 261.27
	IT-ANL04	IT Analyst Level 4	\$ 233.69	\$ 209.67
	IT-ANL03	IT Analyst Level 3	\$ 183.01	\$ 164.16
	IT-ANL02	IT Analyst Level 2	\$ 148.48	\$ 133.22
	IT-ANL01	IT Analyst Level 1	\$ 125.94	\$ 113.02
IT Support (Exempt Labor)				
	IT-ADM05	IT Support Level 5	\$ 238.15	\$ 213.67
	IT-ADM04	IT Support Level 4	\$ 197.98	\$ 177.60
	IT-ADM03	IT Support Level 3	\$ 158.37	\$ 142.11
	IT-ADM02	IT Support Level 2	\$ 124.83	\$ 111.99
	IT-ADM01	IT Support Level 1	\$ 110.27	\$ 98.93

SIN 54151S	Order No.	Labor Category	Effective 27 January 2021 – 26 January 2022	
			Contractor Site	Government Site
			Hourly	Hourly
IT Manager (Exempt Labor)				
	IT-MGR05	IT Manager Level 5	\$ 390.16	
	IT-MGR04	IT Manager Level 4	\$ 359.32	\$ 328.56
	IT-MGR03	IT Manager Level 3	\$ 309.65	\$ 277.81
	IT-MGR02	IT Manager Level 2	\$ 254.66	\$ 228.48
	IT-MGR01	IT Manager Level 1	\$ 194.25	\$ 174.27
IT Engineer (Exempt Labor)				
	IT-ENG06	IT Engineer Level 6	\$ 338.81	\$ 303.97
	IT-ENG05	IT Engineer Level 5	\$ 297.05	\$ 266.50
	IT-ENG04	IT Engineer Level 4	\$ 238.36	\$ 213.86
	IT-ENG03	IT Engineer Level 3	\$ 186.67	\$ 167.44
	IT-ENG02	IT Engineer Level 2	\$ 151.45	\$ 135.88
	IT-ENG01	IT Engineer Level 1	\$ 128.46	\$ 115.27
IT Analyst (Exempt Labor)				
	IT-ANL06	IT Analyst Level 6	\$ 338.81	\$ 303.97
	IT-ANL05	IT Analyst Level 5	\$ 297.05	\$ 266.50
	IT-ANL04	IT Analyst Level 4	\$ 238.36	\$ 213.86
	IT-ANL03	IT Analyst Level 3	\$ 186.67	\$ 167.44
	IT-ANL02	IT Analyst Level 2	\$ 151.45	\$ 135.88
	IT-ANL01	IT Analyst Level 1	\$ 128.46	\$ 115.28
IT Support (Exempt Labor)				
	IT-ADM05	IT Support Level 5	\$ 242.91	\$ 217.94
	IT-ADM04	IT Support Level 4	\$ 201.94	\$ 181.15
	IT-ADM03	IT Support Level 3	\$ 161.54	\$ 144.95
	IT-ADM02	IT Support Level 2	\$ 127.33	\$ 114.23
	IT-ADM01	IT Support Level 1	\$ 112.48	\$ 100.91

Northrop Grumman Labor Category Descriptions for SIN ANCILLARY – Ancillary Services

Special Terms & Conditions for SIN ANCILLARY – Ancillary Supplies and Services

Ancillary services are support services which are not within the scope of any other SIN on this Schedule. These services may only be ordered in conjunction with or in support of services purchased under another SIN(s) in this Schedule to provide a solution to a customer requirement. This SIN may be used for orders and blanket purchase agreements that involve work or a project that is solely associated with the services purchased under this Schedule. This SIN EXCLUDES purchases that are exclusively for services already available under another Schedule and is limited to information technology (IT) services.

Special Instructions: The work performed under this SIN shall be associated with existing SINs that are part of this Schedule. Ancillary supplies and services shall not be the primary purpose of the work ordered, but be an integral part of the total solution offered. Ancillary supplies services may only be ordered in conjunction with or in support of supplies services purchased under another SIN in this Schedule.

Description of SIN ANCILLARY – Ancillary Supplies and Services and Pricing

Labor category descriptions and rates for SIN ANCILLARY can be found in the table below.

- Note 1:** All non-professional labor categories (SIN ANCILLARY) must be incidental to and used solely to support hardware, software and/or professional services, and cannot be purchased separately.
- Note 2:** Offerors and Agencies are advised that the MAS Schedule is not to be used as a means to procure services which properly fall under the Brooks Act. These services include, but are not limited to, architectural, engineering, mapping, cartographic production, remote sensing, geographic information systems, and related services. FAR 36.6 distinguishes between mapping services of an A/E nature and mapping services which are not connected nor incidental to the traditionally accepted A/E Services.
- Note 3:** This solicitation is not intended to solicit for the reselling of IT Professional Services, except for the provision of implementation, maintenance, integration, or training services in direct support of a product. Under such circumstances, the services must be performed by the publisher or manufacturer or one of their authorized agents.

Special Instructions: The work performed under this SIN shall be associated with existing SINs that are part of this Schedule. Ancillary services shall not be the primary purpose of the work ordered, but be an integral part of the total solution offered. Ancillary services may only be ordered in conjunction with or in support of supplies services purchased under another SIN in this Schedule.

This SIN may be used for orders and blanket purchase agreements that involve work or a project that is solely associated with the supplies and/or services purchased under this schedule. This SIN EXCLUDES purchases that are exclusively for supplies and/or services already available under another schedule and is limited to information technology (IT) products and/or services.

Information Technology Technical (Non-exempt Labor)

IT Technical Level 4 (IT-TEC04) - Top-level technical position may support laboratory design, development, and test activities relating to the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Requires advanced knowledge in specialized functions and a comprehensive understanding of complex problems

and situations encountered. Often designated as “lead” worker, provides direction and guidance to lower level employees. **Education and Experience: High School and 6 years additional education and/or Associate’s Degree in related discipline and 3 years of related experience.**

IT Technical Level 3 (IT-TEC03) - Senior-level position may provide technical support of laboratory design, development, and test activities relating to the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Should have a complete understanding of the job. May assist in orienting, training, and checking others’ work. Duties and tasks are varied and moderately complex. **Education and Experience: High School and 4 years additional education or an Associate’s Degree.**

IT Technical Level 2 (IT-TEC02) - Junior-level position may provide technical support of laboratory design, development, and test activities relating to the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. **Education and Experience: High School and 2 years additional education and/or experience.**

IT Technical Level 1 (IT-TEC01) - Entry-level position may provide technical support of laboratory design, development, and test activities relating to the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. **Education and Experience: High School diploma or equivalent and 0 years experience.**

Information Technology Clerical (Non-exempt Labor)

IT Clerical Level 4 (IT-CLE04) - Top-level position providing clerical and administrative duties supporting the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Extensive knowledge in specialized functions, and a wide and comprehensive acquaintance with and understanding of both general and specific aspects of the job and their practical application to complex problems and situations ordinarily encountered. Often designated as “lead” worker and may assist in orienting, training, assigning, and checking the work of lower-level employees. Duties and tasks are varied and complex. **Education and Experience: High School and 6 years additional education and/or experience.**

IT Clerical Level 3 (IT-CLE03) - Senior-level position providing clerical and administrative tasks supporting the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Job requires complete acquaintance with and understanding of the general and detailed aspects of the job and their practical applications to problems and situations ordinarily encountered. **Education and Experience: High School and 4 years additional education and/or experience.**

IT Clerical Level 2 (IT-CLE02) - Junior-level position providing clerical and administrative tasks supporting the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Duties and tasks are varied but standardized; performs some more advanced functions. **Education and Experience: High School and 2 years additional education and/or experience.**

IT Clerical Level 1 (IT-CLE01) - Entry-level position providing clerical and administrative tasks supporting the development, operation of systems, and procedures dealing with resources and facilities management, database planning and design, systems analysis and design, network services, programming, conversion and implementation support, network services project management, data/records management, and other computer related services. Job requires moderate understanding of general job aspects and some understanding of the detailed aspects. **Education and Experience: High School diploma or equivalent and 0 years experience.**

**Northrop Grumman Labor Category Rates for
SIN ANCILLARY – Ancillary Services**

SIN ANCILLARY	Order No.	Labor Category	Effective 27 January 2016 – 25 July 2017	
			Contractor Site	Government Site
			Hourly	Hourly
		IT Technical (Non-exempt Labor)		
	IT-TEC04	IT Technical Level 4	\$137.43	\$123.31
	IT-TEC03	IT Technical Level 3	\$105.37	\$94.54
	IT-TEC02	IT Technical Level 2	\$82.59	\$74.10
	IT-TEC01	IT Technical Level 1	\$75.05	\$67.33
		IT Clerical (Non-exempt Labor)		
	IT-CLE04	IT Clerical Level 4	\$117.89	\$105.77
	IT-CLE03	IT Clerical Level 3	\$96.97	\$87.02
	IT-CLE02	IT Clerical Level 2	\$73.70	\$66.10
	IT-CLE01	IT Clerical Level 1	\$61.18	\$54.89
SIN ANCILLARY	Order No.	Labor Category	Effective 26 July 2017 – 26 January 2018	
			Contractor Site	Government Site
			Hourly	Hourly
		IT Technical (Non-exempt Labor)		
	IT-TEC04	IT Technical Level 4	\$ 140.18	\$ 125.78
	IT-TEC03	IT Technical Level 3	\$ 107.48	\$ 96.43
	IT-TEC02	IT Technical Level 2	\$ 84.24	\$ 75.58
	IT-TEC01	IT Technical Level 1	\$ 76.55	\$ 68.68
		IT Clerical (Non-exempt Labor)		
	IT-CLE04	IT Clerical Level 4	\$ 120.25	\$ 107.89
	IT-CLE03	IT Clerical Level 3	\$ 98.91	\$ 88.76
	IT-CLE02	IT Clerical Level 2	\$ 75.17	\$ 67.42
	IT-CLE01	IT Clerical Level 1	\$ 62.40	\$ 55.99
SIN ANCILLARY	Order No.	Labor Category	Effective 27 January 2018 – 26 January 2019	
			Contractor Site	Government Site
			Hourly	Hourly
		IT Technical (Non-exempt Labor)		
	IT-TEC04	IT Technical Level 4	\$ 142.98	\$ 128.30
	IT-TEC03	IT Technical Level 3	\$ 109.63	\$ 98.36
	IT-TEC02	IT Technical Level 2	\$ 85.92	\$ 77.09
	IT-TEC01	IT Technical Level 1	\$ 78.08	\$ 70.05
		IT Clerical (Non-exempt Labor)		
	IT-CLE04	IT Clerical Level 4	\$ 122.66	\$ 110.05
	IT-CLE03	IT Clerical Level 3	\$ 100.89	\$ 90.54
	IT-CLE02	IT Clerical Level 2	\$ 76.67	\$ 68.77
	IT-CLE01	IT Clerical Level 1	\$ 63.65	\$ 57.11

SIN ANCILLARY	Order No.	Labor Category	Effective 27 January 2019 – 26 January 2020	
			Contractor Site	Government Site
			Hourly	Hourly
IT Technical (Non-exempt Labor)				
	IT-TEC04	IT Technical Level 4	\$ 145.84	\$ 130.87
	IT-TEC03	IT Technical Level 3	\$ 111.82	\$ 100.33
	IT-TEC02	IT Technical Level 2	\$ 87.64	\$ 78.63
	IT-TEC01	IT Technical Level 1	\$ 79.64	\$ 71.45
IT Clerical (Non-exempt Labor)				
	IT-CLE04	IT Clerical Level 4	\$ 125.11	\$ 112.25
	IT-CLE03	IT Clerical Level 3	\$ 102.91	\$ 92.35
	IT-CLE02	IT Clerical Level 2	\$ 78.20	\$ 70.15
	IT-CLE01	IT Clerical Level 1	\$ 64.92	\$ 58.25
SIN ANCILLARY	Order No.	Labor Category	Effective 27 January 2020 – 26 January 2021	
			Contractor Site	Government Site
			Hourly	Hourly
IT Technical (Non-exempt Labor)				
	IT-TEC04	IT Technical Level 4	\$ 148.76	\$ 133.49
	IT-TEC03	IT Technical Level 3	\$ 114.06	\$ 102.34
	IT-TEC02	IT Technical Level 2	\$ 89.39	\$ 80.20
	IT-TEC01	IT Technical Level 1	\$ 81.23	\$ 72.88
IT Clerical (Non-exempt Labor)				
	IT-CLE04	IT Clerical Level 4	\$ 127.61	\$ 114.50
	IT-CLE03	IT Clerical Level 3	\$ 104.97	\$ 94.20
	IT-CLE02	IT Clerical Level 2	\$ 79.76	\$ 71.55
	IT-CLE01	IT Clerical Level 1	\$ 66.22	\$ 59.42
SIN ANCILLARY	Order No.	Labor Category	Effective 27 January 2021 – 26 January 2022	
			Contractor Site	Government Site
			Hourly	Hourly
IT Technical (Non-exempt Labor)				
	IT-TEC04	IT Technical Level 4	\$ 151.74	\$ 136.16
	IT-TEC03	IT Technical Level 3	\$ 116.34	\$ 104.39
	IT-TEC02	IT Technical Level 2	\$ 91.18	\$ 81.80
	IT-TEC01	IT Technical Level 1	\$ 82.85	\$ 74.34
IT Clerical (Non-exempt Labor)				
	IT-CLE04	IT Clerical Level 4	\$ 130.16	\$ 116.79
	IT-CLE03	IT Clerical Level 3	\$ 107.07	\$ 96.08
	IT-CLE02	IT Clerical Level 2	\$ 81.36	\$ 72.98
	IT-CLE01	IT Clerical Level 1	\$ 67.54	\$ 60.61

**Terms and Conditions Applicable to Health Information
Technology Services (Special Item Number 54151HEAL)**

1. SCOPE

- a. The labor categories, prices, terms and conditions stated under Special Item Number 54151HEAL Health Information Technology Services apply exclusively to Health IT Services within the scope of this Information Technology Schedule.
- b. This SIN is limited to Health IT Services only. Software and hardware products are out of scope. Hardware and software can be acquired through different Special Item Numbers on MAS Schedule (e.g. 33411, 33411REF).
- c. This SIN provides ordering activities with access to Health IT services.
- d. Health IT Services provided under this SIN shall comply with all Healthcare certifications and industry standards as applicable at the task order level.
- 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.

2. ORDER

- a. 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.
- b. All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

3. PERFORMANCE OF SERVICES

- a. 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 Health IT Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor

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

4. INSPECTION OF SERVICES

In accordance with FAR 552.212-4 CONTRACT TERMS AND CONDITIONS--COMMERCIAL ITEMS (OCT 2018) (Deviation - FEB 2007) (Deviation – FEB 2018) for Firm-Fixed Price orders and FAR 52.212-4 CONTRACT TERMS AND CONDITIONS –COMMERCIAL ITEMS (OCT 2018) (Deviation – FEB 2018) (Alt 1 – JAN 2017) (Deviation – FEB 2007) applies to Time-and-Materials and Labor-Hour Contracts orders placed under this contract.

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 (Dec 2007) Rights in Data – General, may apply.

6. RESPONSIBILITIES OF THE ORDERING ACTIVITY

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

7. INDEPENDENT CONTRACTOR

All Health IT 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.

8. ORGANIZATIONAL CONFLICTS OF INTEREST

a. Definitions. "Contractor" means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

"Contractor and its affiliates" and "Contractor or its affiliates" refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

An "Organizational conflict of interest" exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor's or its affiliates' objectivity in performing contract work.

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

9. INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for Health IT Professional services. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or

interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.

10. RESUMES

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

11. INCIDENTAL SUPPORT COSTS

Incidental support costs are not considered part of the scope of this contract. The costs will be negotiated separately with the ordering activity in accordance with the guidelines set forth in the FAR.

12. APPROVAL OF SUBCONTRACTS

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

13. DESCRIPTION OF HEALTH IT SERVICES AND PRICING

a. The Contractor shall provide a description of each type of Health IT Service offered under Special Item Numbers 54151HEAL Health IT Services and it should be presented in the same manner as the Contractor sells to its commercial and other ordering activity customers. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles (labor categories) for those individuals who will perform the service should be provided.

b. Pricing for all Health IT Services 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.

Northrop Grumman Labor Category Descriptions for SIN 54151HEAL – Health Information Technology Services

The following labor categories describe the typical functional responsibilities and education and experience requirements for each labor category under the Health IT SIN 54151HEAL. Services for Health IT include, but are not limited to: connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services.

Note – because of the specialized skills required for high level Health IT work, experience is often substituted for degree or degree for experience as shown in the substitution table. The responsibilities identified below are representative and may not be all inclusive of the responsibilities associated with each category.

Substitution Table		
Degree	Related Work Experience Substitution	Related Degree and Experience Substitution
Associate's	2 years work experience may be substituted for an Associate's Degree	2 year's work experience may be substituted for an Associate's Degree
Bachelor's	4 years work experience may be substituted for a Bachelor's Degree	Associate's Degree plus 2 years work experience may be substituted for a Bachelor's Degree
Master's	6 years work experience may be substituted for a Master's Degree	Bachelor's Degree plus 2 years work experience may be substituted for a Master's Degree
Doctorate	10 years work experience may be substituted for a Doctorate Degree	Bachelor's Degree plus 6 years work experience, or a Master's Degree plus 4 years work experience may be substituted for a Doctorate

Health IT Subject Matter Experts

Health IT Subject Matter Expert Level 5 (HIT–SME05) - Serves as subject matter expert, possessing in-depth knowledge of a particular area, such as connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, business, computer science, engineering, mathematics, public health, behavioral health, applicable federal policies, regulations and standards, or the various sciences. Provides technical knowledge and analysis of highly specialized applications and operational environments, high-level functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation. Participates as needed in all phases of software development with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases. Interprets requirements, performs highly complex analyses, and resolves complex problems. Develops advanced technological ideas and guides their development into a final product. May act as an advisor to customers on advanced technical research studies and applications. **Education and Experience: 14 years with Bachelor's or 12 Years w/ Master's, or 9 years with PhD.**

Health IT Subject Matter Expert Level 4 (HIT–SME04) - Serves as subject matter expert, possessing in-depth knowledge of a particular area, such as connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, business, computer science, engineering, mathematics, public

health, behavioral health, applicable federal policies, regulations and standards, or the various sciences. Provides technical knowledge and analysis of highly specialized applications and operational environments, high-level functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation. Participates as needed in all phases of software development with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases. Determines program objectives and requirements and develops standards and guides. Guides the successful completion of major programs. **Education and Experience: 9 years with Bachelor's or 7 years with Masters, or 4 years with PhD.**

Health IT Subject Matter Expert Level 3 (HIT–SME03) - Serves as subject matter expert, possessing in-depth knowledge of a particular area, such as connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, business, computer science, engineering, mathematics, public health, behavioral health, applicable federal policies, regulations and standards, or the various sciences. Provides technical knowledge and analysis of highly specialized applications and operational environments, high-level functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation. Participates as needed in all phases of software development with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases. Provides analysis on a wide range of requirements. Contributes to the completion of specific programs and projects with frequent customer contacts. **Education and Experience: 5 years with Bachelor's or 3 Years with Master's, or experience in lieu of degree.**

Health IT Subject Matter Expert Level 2 (HIT–SME02) - Serves as subject matter expert, possessing in-depth knowledge of a particular area, such as connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, business, computer science, engineering, mathematics, public health, behavioral health, applicable federal policies, regulations and standards, or the various sciences. Provides technical knowledge and analysis of highly specialized applications and operational environments, high-level functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation. Participates as needed in all phases of software development with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases. Contributes to the completion of milestones associated with specific projects. **Education and Experience: 2 years with Bachelor's Degree, or experience in lieu of degree.**

Health IT Subject Matter Expert Level 1 (HIT–SME01) - Serves as subject matter expert, possessing in-depth knowledge of a particular area, such as connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, business, computer science, engineering, mathematics, public health, behavioral health, applicable federal policies, regulations and standards, or the various sciences. Provides technical knowledge and analysis of highly specialized applications and operational environments, high-level functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation. Participates as needed in all phases of software development with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases. Contributes to the completion of assigned technical tasks. **Education and Experience: Bachelor's Degree in related discipline.**

Health IT Managers

Health IT Manager Level 3 (HIT–MGR03) - Manages a program relating to resources management, database planning and design, systems analysis and design, network and infrastructure services,

programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services. Responsibilities may include planning, risk management, and project performance addressing cost, schedule, and technical quality. **Education and Experience: 9 years with Bachelor's or 7 years with Masters, or 4 years with PhD.**

Health IT Manager Level 2 (HIT-MGR02) - Manages a segment of a program, project, or function relating to resources management, database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services. Responsible for providing objective-oriented direction utilizing management guidelines and general policies. Responsibilities may include planning and program/project performance addressing cost, schedule, technical performance, and quality of a work package, subsystem, or related group of work packages. **Education and Experience: 5 years with Bachelor's or 3 Years with Master's, or experience in lieu of degree.**

Health IT Manager Level 1 (HIT-MGR01) - Responsible for daily operations of a team or work unit (direct supervision of the staff, assignment of work, schedules, day-to-day workflow, and operating costs) relating to resources management, database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services. Responsibilities may include cost, schedule, and technical performance of a specific unit or work package. **Education and Experience: 2 years with Bachelor's Degree, or experience in lieu of degree.**

Health IT Engineers

Health IT Engineer Level 5 (HIT-ENG05) - Possesses in-depth knowledge of principles, concepts, and techniques appropriate for engineering support relating to resources management, database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services. Interprets requirements, performs highly complex analyses, and resolves complex problems. Develops advanced technological ideas and guides their development into a final product. May act as advisor to customers on advanced technical research studies and applications. Provides leadership efforts, training, mentoring, and guidance. May lead medium to large projects, including defining scope, objectives, and methods. **Education and Experience: 14 years with Bachelor's or 12 Years w/ Master's, or 9 years with PhD.**

Health IT Engineer Level 4 (HIT-ENG04) - Responsible for solving engineering problems relating to resources management, database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services. Determines program objectives and requirements and develops standards and guides

for diverse engineering and scientific activities. Guides the successful completion of major programs and may function in a project leadership role. Serves as the prime technical contact on contracts and projects. Interacts with customers on significant technical matters. **Education and Experience: 9 years with Bachelor's or 7 years with Masters, or 4 years with PhD.**

Health IT Engineer Level 3 (HIT-ENG03) - Responsible for engineering support relating to resources management, database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services. Contributes to the completion of specific programs and projects with frequent customer contact. **Education and Experience: 5 years with Bachelor's or 3 Years with Master's, or experience in lieu of degree.**

Health IT Engineer Level 2 (HIT-ENG02) - Responsible for engineering support relating to resources management, database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services. Follows established procedures and contributes to the completion of milestones associated with specific projects. **Education and Experience: 2 years with Bachelor's Degree, or experience in lieu of degree.**

Health IT Engineer Level 1 (HIT-ENG01) - Responsible for engineering support relating to resources management, database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services. Follows technical and process guidance and instructions, contributing to the completion of assigned technical tasks. **Education and Experience: Bachelor's Degree in related discipline.**

Health IT Analysts

Health IT Analyst Level 4 (HIT-ANL04) - Responsibilities may include solving engineering requirements relating to the development, operation of systems, and procedures dealing with resources management, database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services. Determines program objectives and requirements and develops standards and guides. Guides the successful completion of major programs and may function in a project leadership role. **Education and Experience: 9 years with Bachelor's or 7 years with Masters, or 4 years with PhD.**

Health IT Analyst Level 3 (HIT-ANL03) - Responsibilities may require developing new or improved techniques and procedures relating to the development, operation of systems, and procedures dealing with resources management, database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other

Health IT services. Provides analysis on a wide range of requirements. Contributes to the completion of specific programs and projects with frequent customer contacts. **Education and Experience: 5 years with Bachelor's or 3 Years with Master's, or experience in lieu of degree.**

Health IT Analyst Level 2 (HIT-ANL02) - Responsibilities may support research and assignments relating to the development, operation of systems, and procedures dealing with resources management, database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services. Follows established procedures and contributes to the completion of milestones associated with specific projects. **Education and Experience: 2 years with Bachelor's Degree, or experience in lieu of degree.**

Health IT Analyst Level 1 (HIT-ANL01) - May develop and recommend solutions to technical requirements as assigned relating to the development, operation of systems, and procedures dealing with resources management, database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services. Follows technical and process guidance and instructions, contributing to the completion of assigned technical tasks. **Education and Experience: Bachelor's Degree in related discipline.**

Health IT Support

Health IT Support Level 4 (HIT-ADM04) - Duties may include activities related to program administration, scheduling, contracts, and pricing. Contributes to the development of new concepts, techniques, and standards dealing with resources management, database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services. Creates and identifies solutions to complex problems. Ensures solutions are consistent with program objectives. May act as an advisor to customers and is considered an expert in the field within the program. **Education and Experience: 10 years with Bachelor's, 8 years with Master's or experience in lieu of degree.**

Health IT Support level 3 (HIT-ADM03) - Duties may include activities related to program administration, scheduling, contracts and pricing. Understands and applies principles, concepts, practices, and standards supporting the development, operation of systems, and procedures dealing with resources management, database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services. Full knowledge of industry practices. Demonstrates the skill to perform fairly complex professional tasks and develop solutions. **Education and Experience: 6 years with Bachelor's, 4 years with Master's, or experience in lieu of degree.**

Health IT Support Level 2 (HIT–ADM02) - Duties may include activities related to program administration, scheduling, contracts, and pricing. Job requires frequent use and general knowledge of industry practices, techniques, standards and a general application of concepts and principles to support the development, operation of systems, and procedures dealing with resources management, database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services. Demonstrates the skill and ability to perform moderately complex professional tasks, and develop solutions to a variety of problems of moderate scope and complexity. **Education and Experience: 3 years with Bachelor's, 1 years with Master's, or experience in lieu of degree.**

Health IT Support Level 1 (HIT–ADM01) - Provides entry-level support for activities that may include program administration, scheduling, contracts, and pricing. Job requires limited use and/or application of basic principles, theories, and concepts and a general knowledge of industry practices and standards relating to support of the development, operation of systems, and procedures dealing with resources management, database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis, connected health, electronic health records, health information exchanges, health analytics, personal health information management, innovative Health IT solutions, health informatics, emerging Health IT research, public health, and other Health IT services. Demonstrates the skill and ability to perform basic professional tasks, and solve routine problems of limited scope and complexity following established policies and procedures. **Education and Experience: 0 years of experience with Bachelor's.**

**Northrop Grumman Labor Category Rates for
SIN 54151HEAL – Health Information Technology Services**

SIN 54151 HEAL	Order No.	Labor Category	Effective 26 July 2017 – 26 January 2018	
			Contractor Site	Government Site
			Hourly	Hourly
HIT Manager (Exempt Labor)				
	HIT-MGR03	Health IT Manager Level 3	\$286.07	\$256.65
	HIT-MGR02	Health IT Manager Level 2	\$235.26	\$211.08
	HIT-MGR01	Health IT Manager Level 1	\$179.46	\$161.00
HIT Engineer (Exempt Labor)				
	HIT-ENG05	Health IT Engineer Level 5	\$274.43	\$246.21
	HIT-ENG04	Health IT Engineer Level 4	\$220.22	\$197.58
	HIT-ENG03	Health IT Engineer Level 3	\$172.45	\$154.69
	HIT-ENG02	Health IT Engineer Level 2	\$139.92	\$125.54
	HIT-ENG01	Health IT Engineer Level 1	\$118.68	\$106.49
HIT Analyst (Exempt Labor)				
	HIT-ANL04	Health IT Analyst Level 4	\$220.22	\$197.58
	HIT-ANL03	Health IT Analyst Level 3	\$172.45	\$154.69
	HIT-ANL02	Health IT Analyst Level 2	\$139.92	\$125.54
	HIT-ANL01	Health IT Analyst Level 1	\$118.68	\$106.50
HIT Support (Exempt Labor)				
	HIT-ADM04	Health IT Support Level 4	\$186.56	\$167.36
	HIT-ADM03	Health IT Support Level 3	\$149.24	\$133.91
	HIT-ADM02	Health IT Support Level 2	\$117.63	\$105.53
	HIT-ADM01	Health IT Support Level 1	\$103.91	\$93.23
HIT SME (Exempt Labor)				
	HIT-SME05	Health IT SME Level 5	\$274.43	\$246.21
	HIT-SME04	Health IT SME Level 4	\$220.22	\$197.58
	HIT-SME03	Health IT SME Level 3	\$172.45	\$154.69
	HIT-SME02	Health IT SME Level 2	\$139.92	\$125.54
	HIT-SME01	Health IT SME Level 1	\$118.68	\$106.49

SIN 54151 HEAL	Order No.	Labor Category	Effective 27 January 2018 – 26 January 2019	
			Contractor Site	Government Site
			Hourly	Hourly
HIT Manager (Exempt Labor)				
	HIT-MGR03	Health IT Manager Level 3	\$291.79	\$261.78
	HIT-MGR02	Health IT Manager Level 2	\$239.97	\$215.30
	HIT-MGR01	Health IT Manager Level 1	\$183.05	\$164.22
HIT Engineer (Exempt Labor)				
	HIT-ENG05	Health IT Engineer Level 5	\$279.92	\$251.13
	HIT-ENG04	Health IT Engineer Level 4	\$224.62	\$201.53
	HIT-ENG03	Health IT Engineer Level 3	\$175.90	\$157.78
	HIT-ENG02	Health IT Engineer Level 2	\$142.72	\$128.05
	HIT-ENG01	Health IT Engineer Level 1	\$121.05	\$108.62
HIT Analyst (Exempt Labor)				
	HIT-ANL04	Health IT Analyst Level 4	\$224.62	\$201.53
	HIT-ANL03	Health IT Analyst Level 3	\$175.90	\$157.78
	HIT-ANL02	Health IT Analyst Level 2	\$142.72	\$128.05
	HIT-ANL01	Health IT Analyst Level 1	\$121.05	\$108.63
HIT Support (Exempt Labor)				
	HIT-ADM04	Health IT Support Level 4	\$190.29	\$170.71
	HIT-ADM03	Health IT Support Level 3	\$152.22	\$136.59
	HIT-ADM02	Health IT Support Level 2	\$119.98	\$107.64
	HIT-ADM01	Health IT Support Level 1	\$105.99	\$95.09
HIT SME (Exempt Labor)				
	HIT-SME05	Health IT SME Level 5	\$279.92	\$251.13
	HIT-SME04	Health IT SME Level 4	\$224.62	\$201.53
	HIT-SME03	Health IT SME Level 3	\$175.90	\$157.78
	HIT-SME02	Health IT SME Level 2	\$142.72	\$128.05
	HIT-SME01	Health IT SME Level 1	\$121.05	\$108.62

SIN 54151 HEAL	Order No.	Labor Category	Effective 27 January 2019 – 26 January 2020	
			Contractor Site	Government Site
			Hourly	Hourly
HIT Manager (Exempt Labor)				
	HIT-MGR03	Health IT Manager Level 3	\$297.63	\$267.02
	HIT-MGR02	Health IT Manager Level 2	\$244.77	\$219.61
	HIT-MGR01	Health IT Manager Level 1	\$186.71	\$167.50
HIT Engineer (Exempt Labor)				
	HIT-ENG05	Health IT Engineer Level 5	\$285.52	\$256.15
	HIT-ENG04	Health IT Engineer Level 4	\$229.11	\$205.56
	HIT-ENG03	Health IT Engineer Level 3	\$179.42	\$160.94
	HIT-ENG02	Health IT Engineer Level 2	\$145.57	\$130.61
	HIT-ENG01	Health IT Engineer Level 1	\$123.47	\$110.79
HIT Analyst (Exempt Labor)				
	HIT-ANL04	Health IT Analyst Level 4	\$229.11	\$205.56
	HIT-ANL03	Health IT Analyst Level 3	\$179.42	\$160.94
	HIT-ANL02	Health IT Analyst Level 2	\$145.57	\$130.61
	HIT-ANL01	Health IT Analyst Level 1	\$123.47	\$110.80
HIT Support (Exempt Labor)				
	HIT-ADM04	Health IT Support Level 4	\$194.10	\$174.12
	HIT-ADM03	Health IT Support Level 3	\$155.26	\$139.32
	HIT-ADM02	Health IT Support Level 2	\$122.38	\$109.79
	HIT-ADM01	Health IT Support Level 1	\$108.11	\$96.99
HIT SME (Exempt Labor)				
	HIT-SME05	Health IT SME Level 5	\$285.52	\$256.15
	HIT-SME04	Health IT SME Level 4	\$229.11	\$205.56
	HIT-SME03	Health IT SME Level 3	\$179.42	\$160.94
	HIT-SME02	Health IT SME Level 2	\$145.57	\$130.61
	HIT-SME01	Health IT SME Level 1	\$123.47	\$110.79

SIN 54151 HEAL	Order No.	Labor Category	Effective 27 January 2020 – 26 January 2021	
			Contractor Site	Government Site
			Hourly	Hourly
HIT Manager (Exempt Labor)				
	HIT-MGR03	Health IT Manager Level 3	\$303.58	\$272.36
	HIT-MGR02	Health IT Manager Level 2	\$249.67	\$224.00
	HIT-MGR01	Health IT Manager Level 1	\$190.44	\$170.85
HIT Engineer (Exempt Labor)				
	HIT-ENG05	Health IT Engineer Level 5	\$291.23	\$261.27
	HIT-ENG04	Health IT Engineer Level 4	\$233.69	\$209.67
	HIT-ENG03	Health IT Engineer Level 3	\$183.01	\$164.16
	HIT-ENG02	Health IT Engineer Level 2	\$148.48	\$133.22
	HIT-ENG01	Health IT Engineer Level 1	\$125.94	\$113.01
HIT Analyst (Exempt Labor)				
	HIT-ANL04	Health IT Analyst Level 4	\$233.69	\$209.67
	HIT-ANL03	Health IT Analyst Level 3	\$183.01	\$164.16
	HIT-ANL02	Health IT Analyst Level 2	\$148.48	\$133.22
	HIT-ANL01	Health IT Analyst Level 1	\$125.94	\$113.02
HIT Support (Exempt Labor)				
	HIT-ADM04	Health IT Support Level 4	\$197.98	\$177.60
	HIT-ADM03	Health IT Support Level 3	\$158.37	\$142.11
	HIT-ADM02	Health IT Support Level 2	\$124.83	\$111.99
	HIT-ADM01	Health IT Support Level 1	\$110.27	\$98.93
HIT SME (Exempt Labor)				
	HIT-SME05	Health IT SME Level 5	\$291.23	\$261.27
	HIT-SME04	Health IT SME Level 4	\$233.69	\$209.67
	HIT-SME03	Health IT SME Level 3	\$183.01	\$164.16
	HIT-SME02	Health IT SME Level 2	\$148.48	\$133.22
	HIT-SME01	Health IT SME Level 1	\$125.94	\$113.01

SIN 54151 HEAL	Order No.	Labor Category	Effective 27 January 2021 – 26 January 2022	
			Contractor Site	Government Site
			Hourly	Hourly
HIT Manager (Exempt Labor)				
	HIT-MGR03	Health IT Manager Level 3	\$309.65	\$277.81
	HIT-MGR02	Health IT Manager Level 2	\$254.66	\$228.48
	HIT-MGR01	Health IT Manager Level 1	\$194.25	\$174.27
HIT Engineer (Exempt Labor)				
	HIT-ENG05	Health IT Engineer Level 5	\$297.05	\$266.50
	HIT-ENG04	Health IT Engineer Level 4	\$238.36	\$213.86
	HIT-ENG03	Health IT Engineer Level 3	\$186.67	\$167.44
	HIT-ENG02	Health IT Engineer Level 2	\$151.45	\$135.88
	HIT-ENG01	Health IT Engineer Level 1	\$128.46	\$115.27
HIT Analyst (Exempt Labor)				
	HIT-ANL04	Health IT Analyst Level 4	\$238.36	\$213.86
	HIT-ANL03	Health IT Analyst Level 3	\$186.67	\$167.44
	HIT-ANL02	Health IT Analyst Level 2	\$151.45	\$135.88
	HIT-ANL01	Health IT Analyst Level 1	\$128.46	\$115.28
HIT Support (Exempt Labor)				
	HIT-ADM04	Health IT Support Level 4	\$201.94	\$181.15
	HIT-ADM03	Health IT Support Level 3	\$161.54	\$144.95
	HIT-ADM02	Health IT Support Level 2	\$127.33	\$114.23
	HIT-ADM01	Health IT Support Level 1	\$112.48	\$100.91
HIT SME (Exempt Labor)				
	HIT-SME05	Health IT SME Level 5	\$297.05	\$266.50
	HIT-SME04	Health IT SME Level 4	\$238.36	\$213.86
	HIT-SME03	Health IT SME Level 3	\$186.67	\$167.44
	HIT-SME02	Health IT SME Level 2	\$151.45	\$135.88
	HIT-SME01	Health IT SME Level 1	\$128.46	\$115.27

**Terms and Conditions Applicable to Cloud and Cloud-Related IT
Professional Services (Special Item Number 518210C)**

1. SCOPE

518210C Includes commercially available cloud computing services such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) and emerging cloud services. IT professional services that are focused on providing the types of services that support the Government's adoption of, migration to or governance/management of Cloud computing. Specific labor categories and/or fixed price solutions (e.g. migration services, etc.) that support activities associated with assessing Cloud solutions, refactoring workloads for Cloud solutions, migrating legacy or other systems to Cloud solutions, providing management/governance of Cloud solutions, DevOps, developing cloud native applications or other Cloud oriented activities.

2. ORDER

a. 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.

b. All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

3. PERFORMANCE OF SERVICES

a. 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 Cloud IT Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts. All travel will be agreed upon with the client prior to the Contractor's travel.

4. INSPECTION OF SERVICES

In accordance with FAR 52.212-4 CONTRACT TERMS AND CONDITIONS--COMMERCIAL ITEMS (OCT 2018) (DEVIATION - FEB 2007) (Deviation – FEB 2018) for Firm-Fixed Price orders and FAR 52.212-4 CONTRACT TERMS AND CONDITIONS –COMMERCIAL ITEMS (OCT 2018) (Deviation 2018) (Alt1 – Jan 2017) (DEVIATION – FEB 2007) applies to Time-and-Materials and Labor-Hour Contracts orders placed under this contract.

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 (Dec 2007) Rights in Data – General, may apply.

6. RESPONSIBILITIES OF THE ORDERING ACTIVITY

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

7. INDEPENDENT CONTRACTOR

All Cloud IT 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.

8. ORGANIZATIONAL CONFLICTS OF INTEREST

a. Definitions.

“Contractor” means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

“Contractor and its affiliates” and “Contractor or its affiliates” refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

An “Organizational conflict of interest” exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor’s or its affiliates’ objectivity in performing contract work.

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

9. INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for Cloud IT services. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.

10. RESUMES

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

11. INCIDENTAL SUPPORT COSTS

Incidental support costs are not considered part of the scope of this contract. The costs will be negotiated separately with the ordering activity in accordance with the guidelines set forth in the FAR.

12. APPROVAL OF SUBCONTRACTS

Degree	Related Work Experience Substitution	Related Degree and Experience Substitution
Associate's	2 years work experience may be substituted for an Associate's Degree	2 year's work experience may be substituted for an Associate's Degree
Bachelor's	4 years work experience may be substituted for a Bachelor's Degree	Associate's Degree plus 2 years work experience may be substituted for a Bachelor's Degree
Master's	6 years work experience may be substituted for a Master's Degree	Bachelor's Degree plus 2 years work experience may be substituted for a Master's Degree
Doctorate	10 years work experience may be substituted for a Doctorate Degree	Bachelor's Degree plus 6 years work experience, or a Master's Degree plus 4 years work experience may be substituted for a Doctorate

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

13. DESCRIPTION OF CLOUD IT SERVICES AND PRICING

a. The Contractor shall provide a description of each type of Cloud IT Service offered under Special Item Numbers 518210C Cloud IT Services and it should be presented in the same manner as the Contractor sells to its commercial and other ordering activity customers. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles (labor categories) for those individuals who will perform the service should be provided.

b. Pricing for all Cloud IT Services 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.

Northrop Grumman Labor Category Descriptions for SIN 518210C – Cloud and Cloud- Related IT Professional Services

The following labor categories describe the typical functional responsibilities and education and experience requirements for each labor category under the Cloud IT SIN 518210C.

Note – because of the specialized skills required for Cloud IT work, experience is often substituted for degree or degree for experience as shown in the substitution table. The responsibilities identified below are representative and may not be all inclusive of the responsibilities associated with each category.

Degree	Related Work Experience Substitution	Related Degree and Experience Substitution
Associate's	2 years work experience may be substituted for an Associate's Degree	2 year's work experience may be substituted for an Associate's Degree
Bachelor's	4 years work experience may be substituted for a Bachelor's Degree	Associate's Degree plus 2 years work experience may be substituted for a Bachelor's Degree
Master's	6 years work experience may be substituted for a Master's Degree	Bachelor's Degree plus 2 years work experience may be substituted for a Master's Degree
Doctorate	10 years work experience may be substituted for a Doctorate Degree	Bachelor's Degree plus 6 years work experience, or a Master's Degree plus 4 years work experience may be substituted for a Doctorate

Cloud IT Managers

Cloud IT Manager Level 3 (CIT-MGR03) - Provides business, technical and personnel management to subordinate groups of technical and administrative personnel across multiple disciplines such as cloud engineering, application program and systems development. Manages and responsible for the overall management of a specific task order or group of task orders affecting the same or related/interdependent cloud hosted or migration of systems. Conceives, plans, and executes a wide variety of projects requiring exploration of subject areas, definition of problems, and development of cost effective approaches for resolution. Schedules and assigns work to subordinates and subcontractors and monitors progress and resolves discrepancies to ensure compliance with work/quality standards and contract/task order requirements. Ensures that the technical solutions and schedules in the task order(s) are implemented within estimated timeframes and budget constraints. Responsibilities would include planning, risk management, and project performance addressing cost, schedule, and technical quality, etc. **Education and Experience: 9 years with Bachelor's or 7 years with Masters, or 4 years with PhD.**

Cloud IT Manager Level 2 (CIT-MGR02) - Provides business, technical and personnel management to subordinate groups of technical and administrative personnel across multiple disciplines such as cloud engineering, application program and systems development. Manages and responsible for a segment of a program, project, or function relating to a segment of a program, project or task orders affecting the same or related/interdependent cloud hosted or migration systems. Conceives, plans, and executes a wide variety of projects requiring exploration of subject areas, definition of problems, and development of cost effective approaches for resolution. Schedules and assigns work to subordinates and subcontractors and monitors progress and resolves discrepancies to ensure compliance with work/quality standards and contract/task order requirements. Ensures that the technical solutions and schedules in the task order(s) are implemented within estimated timeframes and budget constraints. Responsibilities would include planning, risk management, and project performance addressing cost, schedule, and technical quality, etc. Reports orally and in writing to contractor management and government representatives, and may serve as the Contractor's authorized interface with the Government Contracting Officer's Representative/Technical Representative (COR/COTR). **Education and Experience: 5 years with Bachelor's or 3 Years with Master's, or experience in lieu of degree.**

Cloud IT Manager Level 1 (CIT-MGR01) - Responsible for daily operations of a team or work unit (direct supervision of the staff, assignment of work, schedules, day-to-day workflow, and operating costs relating to cloud resources management, database planning & design, systems analysis & design, cloud infrastructure & network services, programming & software development, conversion and implementation support, data analysis and management. Responsibilities may also include cost, schedule, and technical performance of a specific unit or work package. **Education and Experience: 2 years with Bachelor's Degree, or experience in lieu of degree.**

Cloud IT Engineer

Cloud IT Engineer Level 5 (CIT-ENG05) – Possesses in-depth knowledge of principles, concepts, and techniques appropriate for Cloud computing solutions with Agile experience managing and designing solutions for large-scale, distributed cloud systems architecture development across multiple cloud providers and environments like AWS Commercial/Gov Cloud, Microsoft Azure, Google Cloud Platform, etc. Plans, and integrates cloud computing and virtualization systems by providing specific, detailed information for hardware and software selection, cloud service provider selection, implementation techniques, application & data migration techniques and tools for the most efficient solution to meet business needs, including present and future capacity requirements. Maintains technical expertise relevant to industry standards and in cloud computing and virtualization technologies such as cloud service provider architecture, design, and configuration; cloud deployment models including public, community, private, and hybrid; cloud service delivery models including IaaS, PaaS, and SaaS; automation; hypervisors; containers; virtual compute, storage, and networks; virtual infrastructure management; self-provisioning; and scaling. Evaluates and reports on new cloud and virtualization technologies to enhance capabilities of cloud- based and virtualized services. Leads workload migration execution, primary interaction with the workload sponsor (product owner) and key stakeholders, and develop workload cloud architecture, designs, and application changes. Oversees implementation of new architecture (including DevOps pipelines) and evaluates performance to refine the architecture. May act as advisor to customers on advanced technical research studies and applications. Provides leadership efforts, training, mentoring, and guidance. **Education and Experience: 14 years with Bachelor's or 12 Years w/ Master's, or 9 years with PhD.**

Cloud IT Engineer Level 4 (CIT-ENG04) - Responsible for solving engineering problems relating to Cloud computing solutions with Agile experience, designing solutions for medium to large-scale, distributed cloud systems architecture development across multiple cloud providers and environments like AWS Commercial/Gov Cloud, Microsoft Azure, Google Cloud Platform, etc. Plans, and integrates cloud computing and virtualization systems by providing specific, detailed information for hardware and software selection, cloud service provider selection, implementation techniques, application & data migration techniques and tools for the most efficient solution to meet business needs, including present and future capacity requirements. Maintains technical expertise relevant to industry standards and in cloud computing and virtualization technologies such as cloud service provider architecture, design, and configuration; cloud deployment models including public, community, private, and hybrid; cloud service delivery models including IaaS, PaaS, and SaaS; automation; hypervisors; containers; virtual compute, storage, and networks; virtual infrastructure management; self-provisioning; and scaling. Evaluates and reports on new cloud and virtualization technologies to enhance capabilities of cloud- based and virtualized services. **Education and Experience: 9 years with Bachelor's or 7 years with Masters, or 4 years with PhD.**

Cloud IT Engineer Level 3 (CIT-ENG03) - Responsible for solving engineering problems relating to Cloud computing solutions with Agile experience, designing solutions for medium to large-scale, distributed cloud systems architecture development across multiple cloud providers and environments like AWS Commercial/Gov Cloud, Microsoft Azure, Google Cloud Platform, etc. Plans, and integrates cloud computing and virtualization systems by providing specific, detailed information for hardware and software selection, cloud service provider selection, implementation techniques, application & data migration techniques and tools for the most efficient solution to meet business needs, including present and future capacity requirements. Maintains technical expertise relevant to industry standards and in

cloud computing and virtualization technologies such as cloud service provider architecture, design, and configuration; cloud deployment models including public, community, private, and hybrid; cloud service delivery models including IaaS, PaaS, and SaaS; automation; hypervisors; containers; virtual compute, storage, and networks; virtual infrastructure management; self-provisioning; and scaling. Experience in conducting routine system administration tasks and logging data in system admin logs and are responsible for maintaining system efficiency. Must have experience in maintaining troubleshooting of a wide variety of systems and networks including high volume/high availability systems. Must have knowledge on a number of debugging protocols and processes. Must be able to troubleshoot problems and issues identified by customers, and implement corrective actions quickly. **Education and Experience: 5 years with Bachelor's or 3 Years with Master's, or experience in lieu of degree.**

Cloud IT Engineer Level 2 (CIT-ENG02) - Responsible for solving engineering problems relating to Cloud computing solutions with Agile experience, designing solutions for medium to large-scale, distributed cloud systems architecture development across multiple cloud providers and environments like AWS Commercial/Gov Cloud, Microsoft Azure, Google Cloud Platform, etc. Plans, and integrates cloud computing and virtualization systems by providing specific, detailed information for hardware and software selection, cloud service provider selection, implementation techniques, application & data migration techniques and tools for the most efficient solution to meet business needs, including present and future capacity requirements. Maintains technical expertise relevant to industry standards and in cloud computing and virtualization technologies such as cloud service provider architecture, design, and configuration; cloud deployment models including public, community, private, and hybrid; cloud service delivery models including IaaS, PaaS, and SaaS; automation; hypervisors; containers; virtual compute, storage, and networks; virtual infrastructure management; self-provisioning; and scaling. Experience in conducting routine system administration tasks and logging data in system admin logs and are responsible for maintaining system efficiency. Must have experience in maintaining troubleshooting of a wide variety of systems and networks including high volume/high availability systems. Must have knowledge on a number of debugging protocols and processes. Must be able to troubleshoot problems and issues identified by customers, and implement corrective actions quickly. **Education and Experience: 2 years with Bachelor's Degree, or experience in lieu of degree.**

Cloud IT Engineer Level 1 (CIT-ENG01) - Responsible for solving engineering problems relating to Cloud computing solutions with Agile experience, designing solutions for medium to large-scale, distributed cloud systems architecture development across multiple cloud providers and environments like AWS Commercial/Gov Cloud, Microsoft Azure, Google Cloud Platform, etc. Plans, and integrates cloud computing and virtualization systems by providing specific, detailed information for hardware and software selection, cloud service provider selection, implementation techniques, application & data migration techniques and tools for the most efficient solution to meet business needs, including present and future capacity requirements. Maintains technical experience relevant to industry standards and in cloud computing and virtualization technologies such as cloud service provider architecture, design, and configuration; cloud deployment models including public, community, private, and hybrid; cloud service delivery models including IaaS, PaaS, and SaaS; automation; hypervisors; containers; virtual compute, storage, and networks; virtual infrastructure management; self-provisioning; and scaling. Experience in conducting routine system administration tasks and logging data in system admin logs and are responsible for maintaining system efficiency. Must have experience in maintaining troubleshooting of a wide variety of systems and networks including high volume/high availability systems. Must have knowledge on a number of debugging protocols and processes. Must be able to troubleshoot problems and issues identified by customers, and implement corrective actions quickly. **Education and Experience: Bachelor's Degree in related discipline.**

Cloud IT Analysts

Cloud IT Analyst Level 4 (CIT-ANL04) – Possesses in-depth knowledge and provide analytical services required to administer Cloud computing solutions/programs throughout all phases of business requirements analysis, software design, system and performance testing, and implementation. Conduct analysis sessions to provide program requirements, review the business, hardware, software, and system

integration requirements to ensure the requirements meet the program needs. Consider alternatives and develop recommendations. Identify, communicate and resolve risks. Database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis. Determines program objectives and requirements and develops standards and guides. Oversees Cloud strategy/migration assessment activities. Works with the Cloud IT Managers and Engineering teams to ensure integration of architecture, data, security, development and migration functions. Maintains architecture documentation, interacts with workload owner stakeholders and key users, and monitors migration plan execution. Guides the successful completion of major cloud new & migration programs and may function in a project leadership role. **Education and Experience: 9 years with Bachelor's or 7 years with Masters, or 4 years with PhD.**

Cloud IT Analyst Level 3 (CIT-ANL03) – Provide analytical services required to administer Cloud computing solutions/programs throughout all phases of business requirements analysis, software design, system and performance testing, and implementation. Conduct analysis sessions to provide program requirements, review the business, hardware, software, and system integration requirements to ensure the requirements meet the program needs. Consider alternatives and develop recommendations. Identify, communicate and resolve risks. Database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis. Determines program objectives and requirements and develops standards and guides. Oversees Cloud strategy/migration assessment activities. Works with the Cloud IT Managers and Engineering teams to ensure integration of architecture, data, security, development and migration functions. Maintains architecture documentation, interacts with workload owner stakeholders and key users, and monitors migration plan execution. **Education and Experience: 5 years with Bachelor's or 3 Years with Master's, or experience in lieu of degree.**

Cloud IT Analyst Level 2 (CIT-ANL02) -Provide analytical services required to administer Cloud computing solutions/programs throughout all phases of business requirements analysis, software design, system and performance testing, and implementation. Conduct analysis sessions to provide program requirements, review the business, hardware, software, and system integration requirements to ensure the requirements meet the program needs. Consider alternatives and develop recommendations. Identify, communicate and resolve risks. Database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis. **Education and Experience: 2 years with Bachelor's Degree, or experience in lieu of degree.**

Cloud IT Analyst Level 1 (CIT-ANL01) – Provide analytical services required to administer Cloud computing solutions/programs throughout all phases of business requirements analysis, software design, system and performance testing, and implementation. Conduct analysis sessions to provide program requirements, review the business, hardware, software, and system integration requirements to ensure the requirements meet the program needs. Consider alternatives and develop recommendations. Identify, communicate and resolve risks. Database planning and design, systems analysis and design, network and infrastructure services, programming and software development, conversion and implementation support, data analysis and management, computer security systems and analysis. **Education and Experience: Bachelor's Degree in related discipline.**

Cloud IT Support

Cloud IT Support Level 4 (CIT-ADM04) – Duties include activities related to cloud computer program administration, scheduling and programming. Responsible for assessing systems to identify potential weaknesses or problems, determine when something isn't working as well as expected and then take steps to correct the problem. Upgrade software and hardware systems in order to ensure optimal performance and prevent system issues. May be directly involved in recovering data and troubleshooting issues with the cloud systems. Provide technical support to customers who are having issues with the system, support the development and improvement of existing systems. Work as part of a team and collaborate with software

developers and other technical support professionals, so need to have good teamwork skills. Able to work independently and provide leadership to new staff in their department, and may also be responsible for training. May need to assist customers directly, hence need to have customer service skills. Strong analytical skills to review software and systems to identify potential or existing problems, and must possess problem-solving skills to address any potential issues effectively. **Education and Experience: 10 years with Bachelor's, 8 years with Master's or experience in lieu of degree.**

Cloud IT Support level 3 (CIT-ADM03) - Duties include activities related to cloud computer program administration, scheduling and programming. Responsible for assessing systems to identify potential weaknesses or problems, determine when something isn't working as well as expected and then take steps to correct the problem. Upgrade software and hardware systems in order to ensure optimal performance and prevent system issues. May be directly involved in recovering data and troubleshooting issues with the cloud systems. Provide technical support to customers who are having issues with the system, support the development and improvement of existing systems. Work as part of a team and collaborate with software developers and other technical support professionals, so need to have good teamwork skills. Able to work independently and provide leadership to new staff in their department, and may also be responsible for training. May need to assist customers directly, hence need to have customer service skills. Strong analytical skills to review software and systems to identify potential or existing problems, and must possess problem-solving skills to address any potential issues effectively. **Education and Experience: 6 years with Bachelor's, 4 years with Master's, or experience in lieu of degree.**

Cloud IT Support Level 2 (CIT-ADM02) - Duties include activities related to cloud computer program administration, scheduling and programming. Responsible for assessing systems to identify potential weaknesses or problems, determine when something isn't working as well as expected and then take steps to correct the problem. Upgrade software and hardware systems in order to ensure optimal performance and prevent system issues. May be directly involved in recovering data and troubleshooting issues with the cloud systems. Provide technical support to customers who are having issues with the system, support the development and improvement of existing systems. Work as part of a team and collaborate with software developers and other technical support professionals, so need to have good teamwork skills. **Education and Experience: 3 years with Bachelor's, 1 years with Master's, or experience in lieu of degree.**

Cloud IT Support Level 1 (CIT-ADM01) - Provides entry-level support for activities related to cloud program administration, scheduling, contracts, and pricing. Duties Responsible for assessing systems to identify potential weaknesses or problems, determine when something isn't working as well as expected and then take steps to correct the problem. Support in upgrade software and hardware systems in order to ensure optimal performance and prevent system issues. Assist in recovering data and troubleshooting issues with the cloud systems. Assist the team in providing customer support to resolve the issues, support the development and improvement of existing systems. Work as part of a team and collaborate with software developers and other technical support professionals, so need to have good teamwork skills. **Education and Experience: 0 years of experience with Bachelor's.**

**Northrop Grumman Labor Category Rates for
SIN 518210C – Cloud and Cloud-Related IT Professional Services**

SIN 518210 C	Order No.	Labor Category	Effective 27 January 2020 – 26 January 2021	
			Contractor Site	Government Site
			Hourly	Hourly
CIT Manager (Exempt Labor)				
	CIT-MGR03	Cloud IT Manager Level 3	\$303.58	\$272.36
	CIT-MGR02	Cloud IT Manager Level 2	\$249.67	\$224.00
	CIT-MGR01	Cloud IT Manager Level 1	\$190.44	\$170.85
CIT Engineer (Exempt Labor)				
	CIT-ENG05	Cloud IT Engineer Level 5	\$291.23	\$261.27
	CIT-ENG04	Cloud IT Engineer Level 4	\$233.69	\$209.67
	CIT-ENG03	Cloud IT Engineer Level 3	\$183.01	\$164.16
	CIT-ENG02	Cloud IT Engineer Level 2	\$148.48	\$133.22
	CIT-ENG01	Cloud IT Engineer Level 1	\$125.94	\$113.01
CIT Analyst (Exempt Labor)				
	CIT-ANL04	Cloud IT Analyst Level 4	\$233.69	\$209.67
	CIT-ANL03	Cloud IT Analyst Level 3	\$183.01	\$164.16
	CIT-ANL02	Cloud IT Analyst Level 2	\$148.48	\$133.22
	CIT-ANL01	Cloud IT Analyst Level 1	\$125.94	\$113.02
CIT Support (Exempt Labor)				
	CIT-ADM04	Cloud IT Support Level 4	\$197.98	\$177.60
	CIT-ADM03	Cloud IT Support Level 3	\$158.37	\$142.11
	CIT-ADM02	Cloud IT Support Level 2	\$124.83	\$111.99
	CIT-ADM01	Cloud IT Support Level 1	\$110.27	\$98.93

SIN 51821 OC	Order No.	Labor Category	Effective 27 January 2021 – 26 January 2022	
			Contractor Site	Government Site
			Hourly	Hourly
CIT Manager (Exempt Labor)				
	CIT-MGR03	Cloud IT Manager Level 3	\$309.65	\$277.81
	CIT-MGR02	Cloud IT Manager Level 2	\$254.66	\$228.48
	CIT-MGR01	Cloud IT Manager Level 1	\$194.25	\$174.27
CIT Engineer (Exempt Labor)				
	CIT-ENG05	Cloud IT Engineer Level 5	\$297.05	\$266.50
	CIT-ENG04	Cloud IT Engineer Level 4	\$238.36	\$213.86
	CIT-ENG03	Cloud IT Engineer Level 3	\$186.67	\$167.44
	CIT-ENG02	Cloud IT Engineer Level 2	\$151.45	\$135.88
	CIT-ENG01	Cloud IT Engineer Level 1	\$128.46	\$115.27
CIT Analyst (Exempt Labor)				
	CIT-ANL04	Cloud IT Analyst Level 4	\$238.36	\$213.86
	CIT-ANL03	Cloud IT Analyst Level 3	\$186.67	\$167.44
	CIT-ANL02	Cloud IT Analyst Level 2	\$151.45	\$135.88
	CIT-ANL01	Cloud IT Analyst Level 1	\$128.46	\$115.28
CIT Support (Exempt Labor)				
	CIT-ADM04	Cloud IT Support Level 4	\$201.94	\$181.15
	CIT-ADM03	Cloud IT Support Level 3	\$161.54	\$144.95
	CIT-ADM02	Cloud IT Support Level 2	\$127.33	\$114.23
	CIT-ADM01	Cloud IT Support Level 1	\$112.48	\$100.91

SIN 51821 OC	Order No.	Labor Category	Effective 27 January 2021 – 26 January 2022	
			Contractor Site	Government Site
			Hourly	Hourly
CIT Manager (Exempt Labor) ESCALATION for OUT YEARS 2%				
	CIT-MGR03	Cloud IT Manager Level 3	\$315.84	\$283.37
	CIT-MGR02	Cloud IT Manager Level 2	\$259.75	\$233.05
	CIT-MGR01	Cloud IT Manager Level 1	\$198.14	\$177.76
CIT Engineer (Exempt Labor)				
	CIT-ENG05	Cloud IT Engineer Level 5	\$302.99	\$271.83
	CIT-ENG04	Cloud IT Engineer Level 4	\$243.13	\$218.14
	CIT-ENG03	Cloud IT Engineer Level 3	\$190.40	\$170.79
	CIT-ENG02	Cloud IT Engineer Level 2	\$154.48	\$138.60
	CIT-ENG01	Cloud IT Engineer Level 1	\$131.03	\$117.58
CIT Analyst (Exempt Labor)				
	CIT-ANL04	Cloud IT Analyst Level 4	\$243.13	\$218.14
	CIT-ANL03	Cloud IT Analyst Level 3	\$190.40	\$170.79
	CIT-ANL02	Cloud IT Analyst Level 2	\$154.48	\$138.60
	CIT-ANL01	Cloud IT Analyst Level 1	\$131.03	\$117.58
CIT Support (Exempt Labor)				
	CIT-ADM04	Cloud IT Support Level 4	\$205.98	\$184.77
	CIT-ADM03	Cloud IT Support Level 3	\$164.77	\$147.85
	CIT-ADM02	Cloud IT Support Level 2	\$129.98	\$116.51
	CIT-ADM01	Cloud IT Support Level 1	\$114.73	\$102.93

SIN 51821 OC	Order No.	Labor Category	Effective 27 January 2021 – 26 January 2022	
			Contractor Site	Government Site
			Hourly	Hourly
CIT Manager (Exempt Labor) ESCALATION for OUT YEARS 2%				
	CIT-MGR03	Cloud IT Manager Level 3	\$322.16	\$289.04
	CIT-MGR02	Cloud IT Manager Level 2	\$264.95	\$237.71
	CIT-MGR01	Cloud IT Manager Level 1	\$202.10	\$181.32
	CIT-ENG05	Cloud IT Engineer Level 5	\$309.05	\$277.27
	CIT-ENG04	Cloud IT Engineer Level 4	\$247.99	\$222.50
	CIT-ENG03	Cloud IT Engineer Level 3	\$194.21	\$174.21
	CIT-ENG02	Cloud IT Engineer Level 2	\$157.57	\$141.37
	CIT-ENG01	Cloud IT Engineer Level 1	\$133.65	\$119.93
	CIT-ANL04	Cloud IT Analyst Level 4	\$247.99	\$222.50
	CIT-ANL03	Cloud IT Analyst Level 3	\$194.21	\$174.21
	CIT-ANL02	Cloud IT Analyst Level 2	\$157.57	\$141.37
	CIT-ANL01	Cloud IT Analyst Level 1	\$133.65	\$119.93
	CIT-ADM04	Cloud IT Support Level 4	\$210.10	\$188.47
	CIT-ADM03	Cloud IT Support Level 3	\$168.07	\$150.81
	CIT-ADM02	Cloud IT Support Level 2	\$132.48	\$118.84
	CIT-ADM01	Cloud IT Support Level 1	\$117.02	\$104.99

USA Commitment to Promote Small Business Participation Procurement Programs

PREAMBLE

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

COMMITMENT

- + To actively seek and partner with small businesses.
- + To identify, qualify, mentor and develop small, small disadvantaged and women-owned small businesses by purchasing from these businesses whenever practical.
- + To develop and promote company policy initiatives that demonstrate our support for awarding contracts and subcontracts to small business concerns.
- + To undertake significant efforts to determine the potential of small, small disadvantaged and women-owned small business to supply products and services to our company.
- + To insure procurement opportunities are designed to permit the maximum possible participation of small, small disadvantaged, and women-owned small businesses.
- + To attend business opportunity workshops, minority business enterprise seminars, trade fairs, procurement conferences, etc., to identify and increase small businesses with whom to partner.
- + To publicize in our marketing publications our interest in meeting small businesses that may be interested in subcontracting opportunities.
- + We signify our commitment to work in partnership with small, small disadvantaged and women-owned small businesses to promote and increase their participation in Federal Government contracts. To accelerate potential opportunities please contact Melissa Poli by phone at: (703) 251-9513, by email at melissa.poli@ngc.com.

Suggested BPA Format

**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 Supply 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, Northrop Grumman 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 SCHEDULE/DATES

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

- (4) This BPA does not obligate any funds.

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

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

OFFICE

POINT OF CONTACT

- (7) Orders will be placed against this BPA via Electronic Data Interchange (EDI), FAX, or paper.
- (8) Unless otherwise agreed to, all deliveries under this BPA must be accompanied by delivery tickets or sales slips that must contain the following information as a minimum:
- (a) Name of Contractor; (b) Contract Number; (c) BPA Number; (d) Model Number or National Stock Number (NSN); (e) Purchase Order Number; (f) Date of Purchase; (g) Quantity, Unit Price, and Extension of Each Item (unit prices and extensions need not be shown when incompatible with the use of automated systems; provided, that the invoice is itemized to show the information); (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 Northrop Grumman's invoice, the provisions of this BPA will take precedence.

Basic Guidelines for using "Contractor Team Arrangements"

Federal Supply Schedule Contractors may use "Contractor Team Arrangements" (see FAR 9.6) to provide solutions when responding to a customer agency requirements.

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

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

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

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

Here is a general outline on how it works:

- The customer identifies their requirements.
- Federal Supply Schedule Contractors may individually meet the 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.