



Commonwealth of Virginia
Virginia Information Technologies Agency

NETWORK EQUIPMENT & SERVICES

Mandatory Use Contract for Executive Branch Agencies; Optional Use Contract for all other Public Bodies.

Date: March 29, 2016

Contract #: VA-160324-ABST

Authorized User: Authorized User (AU): All public bodies, including VITA, as defined by §2.2-4301 and referenced by §2.2-4304 of the *Code of Virginia*. Also includes private institutions of higher education chartered in Virginia and granted tax-exempt status under §501(c)(3) of the Internal Revenue Code. A list of the private institutions eligible to use this contract can be found at: <http://www.cicv.org/Our-colleges/Profiles.aspx>.

Contractor: ABS Technology
2809 South Lynnhaven Road, Suite 250
Virginia Beach, VA 23452

FIN: 54-1954271

Contact Person: Kristen Kavakava
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Term: March 24, 2016 – March 23, 2018

Payment: Net 30 days

Pricing: See Exhibit B, Product Discounts

For Additional Contract Information, Please Contact:

Virginia Information Technologies Agency
Supply Chain Management

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NOTES: Individual Commonwealth of Virginia employees are not authorized to purchase equipment or services for their personal use from this Contract.

For updates, please visit our Website at <http://vita2.virginia.gov/procurement/contracts.cfm>

VIRGINIA INFORMATION TECHNOLOGIES AGENCY (VITA): Prior review and approval by VITA for purchases in excess of \$100,000.00 is required for State Agencies and Institutions only.



Information Technology Hardware and Maintenance Contract

between

The Virginia Information Technologies Agency

on behalf of

The Commonwealth of Virginia

and

ABS Technology

**INFORMATION TECHNOLOGY HARDWARE AND MAINTENANCE CONTRACT
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INFORMATION TECHNOLOGY HARDWARE AND MAINTENANCE CONTRACT

THIS INFORMATION TECHNOLOGY Hardware and Maintenance CONTRACT ("Contract") is entered into by and between the Virginia Information Technologies Agency (VITA) pursuant to §2.2-2012 of the Code of Virginia and on behalf of the Commonwealth of Virginia (hereinafter referred to as "VITA"), and ABS Technology ("Supplier"), headquartered at 2809 South Lynnhaven Road, Suite 250, Virginia Beach, VA 23452 to be effective as of March 24, 2016 ("Effective Date").

1. PURPOSE AND SCOPE

This Contract sets forth the terms and conditions under which Supplier shall provide TBD to the Authorized Users. Definitions

A. Acceptance

Successful delivery and performance by the Supplier of its contractual commitments at the location(s) designated in the applicable Statement of Work or order, including completed and successful Acceptance testing in conformance with the Requirements as determined by the Authorized User in the applicable Statement of Work or order.

B. Agent

Any third party independent agent of any Authorized User.

C. Authorized Users

Except for telecommunications contracts, means all public bodies, including VITA, as defined by §2.2-4301 and referenced by §2.2-4304 and §2.2-2012 of the Code of Virginia. Authorized Users shall include private institutions of higher education that are listed at: <http://www.cicv.org/Our-Colleges/Profiles.aspx>

D. Business Day/Hour

Normal operating hours for the Commonwealth of Virginia: Monday-Friday, 8 a.m.-5 p.m. Eastern Standard/Daylight Time, unless otherwise specified on the applicable order or Statement of Work, excluding Commonwealth-designated holidays.

E. Computer Virus

Any malicious code, program, or other internal component (e.g., computer virus, computer worm, computer time bomb, or similar component), which could damage, destroy, alter or disrupt any computer program, firmware, or hardware or which could, in any manner, reveal, damage, destroy, alter or disrupt any data or other information accessed through or processed by such software in any manner.

F. Confidential Information

Any confidential or proprietary information of a Party that is disclosed in any manner, including oral or written, graphic, machine readable or other tangible form, to any other Party in connection with or as a result of discussions related to this Contract or any order or SOW issued hereunder, and which at the time of disclosure either (i) is marked as being "Confidential" or "Proprietary", (ii) is otherwise reasonably identifiable as the confidential or proprietary information of the disclosing Party, or (iii) under the circumstances of disclosure should reasonably be considered as confidential or proprietary information of the disclosing Party or (iv) is identifiable or should be reasonably considered as protected health information; (v) any personally identifiable information, including information about VITA's employees, contractors, and customers, that is protected by statute or other applicable law.

G. Deliverable

The tangible embodiment of the work performed or Services, Maintenance Services, Licensed Services, Solution, Component, Software, plans, reports, data, Product, Supplier Product and Updates provided by the Supplier in fulfilling its obligations under the Contract or as identified in the applicable Statement of Work or order.

H. Documentation

Those materials (including user manuals, training materials, guides, product descriptions, technical manuals, product specifications, supporting materials and Updates) detailing the information and instructions needed in order to allow any Authorized User and its Agents or Application Users to make productive use of the Solution, Component, Product, Service or Deliverable, and to implement and develop self-sufficiency with regard to the Solution, Component, Product, Service or Deliverable, provided by Supplier in fulfilling its obligations under the Contract or as may be specified in any Statement of Work or order issued hereunder.

I. E-rate

The universal service "Schools and Libraries Program" administered by the Universal Service Administrative Company (USAC) under the oversight of the Federal Communications Commission (FCC), or successor program.

J. Electronic Self-Help

Any use of electronic means to exercise Supplier's license termination rights, if allowable pursuant to the Contract, upon breach or cancellation, termination or expiration of this Contract or any Statement of Work or order placed hereunder.

K. Eligible Entity

Any school or library meeting the USAC definition of an "Eligible Entity" under the universal Schools and Libraries Program.

L. Maintenance Coverage Period (MCP)

The term during which Maintenance is to be provided for a Product.

M. Maintenance Level

The defined parameters of Maintenance Services, including the times during which and time-frames in which Supplier shall respond to a request for Maintenance Services. The available Maintenance Levels shall be as defined in Exhibit C hereto or as defined in any Statement of Work or order issued hereunder. The actual Maintenance Level for a unit of Software or Product shall be set forth in the executed order or Statement of Work for Maintenance of that Software or Product referencing this Contract.

N. Party

Supplier, VITA or any Authorized User.

O. Preventative Maintenance

Maintenance that can be performed in advance of an actual problem or malfunction through the monitoring of internal diagnostic reports generated automatically by print output devices.

P. Product

Means hardware, peripherals, and any other equipment, including the System Software, all upgrades, all applicable user documentation and related accessories as set forth on Exhibit B or as specified in any Statement of Work or order provided pursuant to the Contract.

Q. Receipt

An Authorized User or its Agent has physically received or has unfettered access to any Deliverable at the correct "ship-to" location.

R. Requirements

The functional, performance, operational, compatibility, Acceptance testing criteria and other parameters and characteristics of the Product, Software, Solution, Component, Service(s), Application and Licensed Services and Deliverables, as authorized by the Contract and/or as set forth in Exhibit A and/or the applicable Statement of Work or order and such other parameters, characteristics, or performance standards that may be agreed upon in writing by the Parties.

S. Response Time

The time between Supplier's receipt of Authorized User's request for Maintenance and the time Supplier has notified Authorized User that it has commenced repair and resolution of the reported problem.

T. Services

Any work performed or service provided by Supplier in fulfilling its obligations under the Contract or, as applicable, any Statement of Work or order issued under the Contract, including local area network architecture, analysis or design services, and equipment installation, maintenance, support, testing, and training, or other provision to the Authorized User of any Deliverable described in the applicable Statement of Work or order, as authorized by the Contract scope. Structured network cabling is not permitted under this contract.

U. Statement of Work (SOW)

Any document in substantially the form of Exhibit D (describing the deliverables, due dates, assignment duration and payment obligations for a specific project, engagement, or assignment that Supplier commits to provide to an Authorized User), which, upon signing by both Parties, shall be deemed a part of the Contract.

V. Supplier

Means the Supplier and any of its Affiliates (i.e., an entity that controls, is controlled by, or is under common control with Supplier).

W. System Software

The operating system code, including software, firmware and microcode, (object code version) for each Product, including any subsequent revisions, as well as any applicable documentation.

X. Update

As applicable, any update, modification or new release of the Software, System Software, Application, Documentation or Supplier Product that Supplier makes generally available to its customers at no additional cost. Software Updates include patches, fixes, upgrades, enhancements, improvements, or access mode, including without limitation additional capabilities to or otherwise improve the functionality, increase the speed, efficiency, or base operation of the Software.

2. TERM AND TERMINATION

A. Contract Term

This Contract is effective and legally binding as of the Effective Date and, unless terminated as provided for in this section, shall continue to be effective and legally binding for a period of two (2) years. VITA, in its sole discretion, may extend this Contract for up to three (3) additional one (1) year periods after the expiration of the initial two (2) year period. VITA will issue a written notification to the Supplier stating the extension period thirty (30) days prior to the expiration of any current term. In addition, performance of an order or SOW issued during the term of this Contract may survive the expiration of the term of this Contract, in which case all contractual terms and conditions required for the operation of such order or SOW shall remain in full force and effect until all of Supplier's obligations pursuant to such order or SOW have met the final Acceptance criteria of the applicable Authorized User.

B. Termination for Convenience

VITA may terminate this Contract, in whole or in part, or any order or SOW issued hereunder, in whole or in part, or an Authorized User may terminate an order or SOW, in whole or in part, upon not less than thirty (30) days prior written notice at any time for any reason.

C. Termination for Breach or Default

VITA shall have the right to terminate this Contract, in whole or in part, or any order or SOW issued hereunder, in whole or in part, or an Authorized User may terminate an order or SOW, in whole or in part, for breach and/or default of Supplier. Supplier shall be deemed in breach and/or default in the event that Supplier fails to meet any material obligation set forth in this Contract or in any order or SOW issued hereunder.

If VITA deems the Supplier to be in breach and/or default, VITA shall provide Supplier with notice of breach and/or default and allow Supplier fifteen (15) days to cure the breach and/or default. If Supplier fails to cure the breach as noted, VITA may immediately terminate this Contract or any order or SOW issued hereunder, in whole or in part. If an Authorized User deems the Supplier to be in breach and/or default of an order or SOW, such Authorized User shall provide Supplier with notice of breach and/or default and allow Supplier fifteen (15) days to cure the breach and/or default. If Supplier fails to cure the breach and/or default as noted, such Authorized User may immediately terminate its order or SOW, in whole or in part. Any such termination shall be deemed a Termination for Breach or Termination for Default. In addition, if Supplier is found by a court of competent jurisdiction to be in violation of or to have violated 31 USC 1352 or if Supplier becomes a party excluded from Federal Procurement and Nonprocurement Programs, VITA may immediately terminate this Contract, in whole or in part, for breach, and VITA shall provide written notice to Supplier of such termination. Supplier shall provide prompt written notice to VITA if Supplier is charged with violation of 31 USC 1352 or if federal debarment proceedings are instituted against Supplier.

D. Termination for Non-Appropriation of Funds

All payment obligations from public bodies under this Contract are subject to the availability of legislative appropriations at the federal, state, or local level, for this purpose. In the event of non-appropriation of funds, irrespective of the source of funds, for the items under this Contract, VITA may terminate this Contract, in whole or in part, or any order or SOW, in whole or in part, or an Authorized User may terminate an order or SOW, in whole or in part, for those goods or services for which funds have not been appropriated. Written notice will be provided to the Supplier as soon as possible after legislative action is completed.

E. Effect of Termination

Upon termination, neither the Commonwealth, nor VITA, nor any Authorized User shall have any future liability except for Deliverables accepted by the Authorized User or Services, including as applicable, Licensed Services and Maintenance Services, rendered by Supplier and accepted by the Authorized User prior to the termination date.

In the event of a Termination for Breach or Termination for Default, Supplier shall accept return of any Deliverable that was not accepted by the Authorized User(s), and Supplier shall refund any monies paid by any Authorized User for such Deliverable, and all costs of de-installation and return of Deliverables shall be borne by Supplier.

F. Termination by Supplier

Termination by Supplier will not be considered.

G. Transition of Services

Prior to or upon expiration or termination of this Contract and at the request of VITA or any Authorized User, Supplier shall provide all assistance as VITA or such Authorized User may reasonably require to transition the Supplier's contractual obligations, or any portion thereof, as requested by VITA or such Authorized User, to any other supplier with whom VITA or such Authorized User contracts for provision of same. This obligation may extend beyond expiration or termination of the Contract for a period of time (i.e., three (3) months, six (6) months, twelve (12) months or as required and defined by VITA or such Authorized User (herein referred to as "Transition Period"). If this Contract includes Supplier's provision of licensed products, Supplier agrees that, without the expressed prior consent of VITA or such Authorized User, no action will be taken by Supplier to restrict or terminate the use of such licensed products after the date of expiration or termination of the Contract and/or during any Transition Period in which Supplier is contractually committed to work with VITA or any Authorized User. VITA or any Authorized User agree to pay for any additional maintenance or licensing fees during any Transition Period at the

hourly rate or a charge agreed upon by Supplier and VITA or such Authorized User. Supplier must provide all reasonable transition assistance requested by VITA or such Authorized User to allow for the expired or terminated portion of the Services to continue without interruption or adverse effect, and to facilitate the orderly transfer of such Services to VITA or any Authorized User. Such transition assistance will be deemed by the parties to be governed by the terms and conditions of this Contract, except for those terms or conditions that do not reasonably apply to such transition assistance. Further, any period of transition will not affect VITA's or any Authorized User's rights in regards to any purchased Software Perpetual Licenses which are paid in full.

H. Contract Kick-Off Meeting

Within 30 days of Contract award, Supplier may be required to attend a contract orientation meeting, along with the VITA contract manager/administrator, the VITA and/or other agency project manager(s) or authorized representative(s), technical leads, VITA representatives for SWaM and Sales/IFA reporting, as applicable, and any other significant stakeholders who have a part in the successful performance of this Contract. The purpose of this meeting will be to review all contractual obligations for both parties, all administrative and reporting requirements, and to discuss any other relationship, responsibility, communication and performance criteria set forth in the Contract. The Supplier may be required to have its assigned account manager as specified in Section 6.0 and a representative from its contracts department in attendance. The time and location of this meeting will be coordinated with Supplier and other meeting participants by the VITA contract manager.

I. Contract Closeout

Prior to the contract's expiration date, Supplier may be provided contract close out documentation and shall complete, sign and return to VITA Supply Chain Management within 30 days of receipt. This documentation may include, but not be limited to: Patent/Royalty Certificate, Tangible Property/Asset Certificate, Escrow Certificate, SWaM Subcontracting Certification of Compliance, Sales Reports/IFA Payments Completion Certificate, and Final Payment Certificate. Supplier is required to process these as requested to ensure completion of close-out administration and to maintain a positive performance reputation with the Commonwealth of Virginia. Any closeout documentation not received within 30 days of Supplier's receipt of the Commonwealth's request will be documented in the contract file as Supplier non-compliance. Supplier's non-compliance may affect any pending payments due the Supplier, including final payment, until the documentation is returned.

3. SUPPLIER PERSONNEL

A. Selection and Management of Supplier Personnel

Supplier shall take such steps as may be necessary to ensure that all Supplier personnel performing under this Contract are competent and knowledgeable of the contractual arrangements and the applicable order or SOW between Authorized User and Supplier. Supplier shall be solely responsible for the conduct of its employees, agents, and subcontractors, including all acts and omissions of such employees, agents, and subcontractors, and shall ensure that such employees and subcontractors comply with the appropriate Authorized User's site security, information security and personnel conduct rules, as well as applicable federal, state and local laws, including export regulations. Authorized User reserves the right to require the immediate removal from such Authorized User's premises of any employee, subcontractor or agent of Supplier whom such Authorized User believes has failed to comply with the above or whose conduct or behavior is unacceptable or unprofessional or results in a security or safety breach.

B. Supplier Personnel Supervision

Supplier acknowledges that Supplier or any of its agents, contractors, or subcontractors, is and shall be the employer of Supplier personnel, and shall have sole responsibility to supervise, counsel, discipline, review, evaluate, set the pay rates of, provide (to the extent required by law) health care and other benefits for, and terminate the employment of Supplier personnel. Neither VITA nor an Authorized User shall have any such responsibilities for Supplier or subcontractor personnel.

C. Key Personnel

An order or SOW may designate certain of Supplier's personnel as Key Personnel or Project Managers. Supplier's obligations with respect to Key Personnel and Project Managers shall be described in the applicable order or SOW. Failure of Supplier to perform in accordance with such obligations may be deemed a default of this Contract or of the applicable order or SOW.

D. Subcontractors

Supplier shall not use subcontractors to perform its contractual obligations under the Contract or any order or SOW issued thereunder unless specifically authorized in writing to do so by the Authorized User. If an order or SOW issued pursuant to this Contract is supported in whole or in part with federal funds, Supplier shall not subcontract to any subcontractor that is a party excluded from Federal Procurement and Nonprocurement Programs. In no event shall Supplier subcontract to any subcontractor which is debarred by the Commonwealth of Virginia or which owes back taxes to the Commonwealth and has not made arrangements with the Commonwealth for payment of such back taxes.

If Supplier subcontracts the provision of any performance obligation under this Contract to any other party, Supplier will (i) act as prime contractor and shall be the sole point of contact with regard to all obligations under this Contract, and (ii) hereby represents and warrants that any authorized subcontractors shall perform in accordance with the warranties set forth in this Contract.

4. DELIVERY, INSTALLATION AND ACCEPTANCE

A. Delivery Procedure

Supplier shall deliver all Product F.O.B. destination, with such destination being the "ship to" address specified in the applicable order or SOW. For orders or SOWs for which Supplier is to provide installation of the Product, Supplier shall bear all risk of loss of or damage to the Product until Receipt/Acceptance by the Authorized User. For orders or SOWs for which Supplier is not to provide installation of the Product, Supplier shall bear all risk of loss or damage to the Product until Receipt. In all cases, Supplier shall arrange and pay for all transportation and insurance sufficient to fully protect the Product while in transit. Each shipment shall include a packing slip indicating this Contract number, the Authorized User's order number, the SOW number, if applicable, the part number, a description of the Product shipped and the quantity shipped. Each package in any shipment shall be numbered, shall have stenciled on one end and one side a description of the quantity of Product contained therein by part number and description, and shall conspicuously display the number of the package in that shipment which contains the packing slip. If required by the Authorized User, Supplier shall bar code all packages shipped. If any loss to, or damage of, the Product occurs prior to Acceptance by the Authorized User, Supplier shall immediately provide a replacement item. Title to Product, excluding System Software, shall pass upon Acceptance.

Supplier shall make available all appropriate and/or related user documentation at the time of delivery of the first unit of each different Product type. Product delivered without the appropriate and required documentation shall be considered "shipped short" until the applicable documentation has been received.

B. Late Delivery

Supplier hereby acknowledges and agrees that failure to deliver the Product ordered in strict accordance with the agreed upon delivery schedule determined in accordance with this Section shall constitute a material breach of this Contract resulting in damages to the ordering Authorized User, the total sum of which would be impracticable or difficult to ascertain as of the Effective Date of this Contract. As an estimate of the minimum amount of damages such Authorized User will suffer, Supplier agrees to credit the Authorized User an amount equal to one-half percent (.05%) of the total purchase price, for each day that the Product is undelivered or nonoperational for a period of thirty (30) days following the agreed upon delivery date, or if none specified, following the date order or SOW was received by Supplier. If the delay lasts longer than thirty (30) days, the Authorized User may immediately cancel the order or SOW and collect as late delivery damages ten percent (10%) of the total purchase price. Any credit due the Authorized User will be applied to the next periodic invoice.

In addition, in the event the Supplier fails for any reason to deliver within thirty-five (35) days of the agreed upon delivery date set forth in the order/schedule, or if none specified, following the date order or SOW was received by Supplier, the ordering Authorized User, at its own discretion, may give Supplier oral or written notice of breach regarding the subject order or SOW. Once notice by such Authorized User is sent or given, the Authorized User may immediately procure the undelivered items or items similar thereto, from another source. Once the Authorized User has effected a purchase from an alternate source (public bodies must purchase in accordance with the Virginia Public Procurement Act, §§ 2.2-4300 et seq. of the Code of Virginia), the Authorized User may charge-back Supplier, in which case Supplier agrees to reimburse the Authorized User for any difference in cost between the original contract price and the Authorized User's cost to cover from the alternate source. In no event shall any Authorized User be held to pay Supplier any costs incurred by Supplier, including but not limited to ordering, marketing, manufacturing, or delivering the item(s) which are subject of such Authorized User's notice of breach. Notwithstanding the foregoing, the Authorized User reserves any and all other remedies available at law or in equity.

C. Product Installation

Unless Authorized User's order or SOW includes Supplier's installation services, Supplier is not responsible for the initial installation of Product. Installation shall include: unpacking, removal of all shipping/packing materials, positioning, connecting to internal utility services, testing, and related necessary services to allow for Acceptance by the Authorized User.

All Product installations shall comply with building and facilities standards established by the ordering Authorized User.

D. Product Acceptance

Product shall be deemed accepted when the ordering Authorized User determines that such Product successfully operates in accordance with the Requirements. Such Authorized User shall commence Acceptance testing within five (5) days, or within such other period as set forth in the applicable order or SOW, after Receipt/installation of the Product. Acceptance testing will be no longer than five (5) days, or such longer period as may be agreed in writing between Authorized User and Supplier. Supplier agrees to provide to the Authorized User such assistance and advice as the Authorized User may reasonably require, at no additional cost, during such Acceptance testing, other than pre-approved travel expenses incurred which are reimbursable by the Authorized User at the then-current per diem amounts as published by the Virginia Department of Accounts. Any such travel expenses must be pre-approved by the Authorized User and shall be reimbursable by such Authorized User at the then-current per diem amounts as published by the Virginia Department of Accounts <http://www.doa.virginia.gov/>, or a successor URL(s). If the Authorized User is a private institution of higher education, all travel expenses shall be preapproved by such institution and will be in accordance with such institution's travel guidelines. Authorized User shall provide to Supplier written notice of Acceptance upon successful Acceptance testing. Should Authorized User fail to provide Supplier written notice of successful or unsuccessful Acceptance testing within five (5) days following the Acceptance testing period, the Product(s) shall be deemed Accepted.

E. Cure Period

Supplier shall correct any non-conformities identified during Acceptance testing and re-submit such previously non-conforming Product for re-testing within seven (7) days of receipt of written notice of non-conformance, or as otherwise agreed between the Authorized User and Supplier in the applicable order or SOW. Should Supplier fail to cure the non-conformity or deliver Product which meets the Requirements, such Authorized User may, in its sole discretion: (i) reject the Product in its entirety and recover amounts previously paid hereunder; (ii) issue a "partial Acceptance" of the Product with an equitable adjustment in the price to account for such deficiency; or (iii) conditionally accept the applicable Product while reserving its right to revoke Acceptance if timely correction is not forthcoming. Failure of a Product to meet, in all material respects, the Requirements after the second set of acceptance tests may constitute a default by Supplier. In the event of such default, the Authorized User may, at its sole discretion, terminate its order or SOW, in whole or in part, for the Product and any Services to be provided thereunder by Supplier.

5. PRODUCT SUPPORT AND ADDITIONAL SERVICES

A. Authorized User or Third Party Support

1. Documentation and Support Availability

In the event that VITA terminates this Contract, Supplier shall provide all the necessary user and installation documentation to enable any Authorized User to maintain the Product itself or to obtain support and maintenance services from a third-party. Supplier shall also provide the documentation and training necessary to allow any Authorized User to self-maintain to the subcomponent level.

2. Timeliness and Price

Supplier agrees to make the above-referenced documentation, training and components available within fifteen (15) days following receipt of a written request, and at a price set forth in Exhibit B, such price not to exceed Supplier's published price list, or the fair market value, but in no event at prices above the lowest price paid by any other customer of Supplier. In addition, Supplier agrees to sell Product, as set forth in Exhibit B attached hereto, to any Authorized User's third-party maintenance provider under contract with such Authorized User, at the prices as set forth in Exhibit B, for the sole purpose of supporting the Authorized User's installed inventory. Supplier agrees to document and provide to all Authorized Users in a timely manner any and all revisions to information and parts and components lists as they are developed or supplied by Supplier.

B. Parts and Maintenance Support

Supplier agrees to make available new/certifiable as new spare parts and the Maintenance Services identified in the Maintenance Services section herein and Exhibit D hereto for each Product type ordered by an Authorized User, for five (5) years from the expiration of the initial Warranty Period of the last unit of any given Product type provided by Supplier to such Authorized User. Thereafter, Supplier shall advise such Authorized User of its intent to discontinue either certain parts or maintenance services for any Product type ordered by the Authorized User.

Supplier shall notify the Authorized User at least six (6) months prior to the effective date of any such discontinuance, and shall provide to the Authorized User the opportunity to purchase spare parts in a quantity adequate to support its installed base. Should Supplier advise the Authorized User of its intent to discontinue certain parts for any Product type ordered by the Authorized User, the Authorized User has the option to request and Supplier has the obligation to provide, all documentation, including source code, required to ensure ongoing support, including full maintenance and repair by the Authorized User or its designated third-party maintenance provider within thirty (30) days prior to the discontinuance date or to replace the unsupported Product with a supported Product at a cost to the Authorized User of no more than the cost delta between the supported Product and the unsupported Product.

C. Additional Services

In addition to any on-site warranty or maintenance service obligations, Supplier shall, upon request of an Authorized User by means of an order or SOW issued in accordance with the ordering provisions of this Contract, provide additional on-site services which may include: (i) relocation of previously installed hardware; (ii) assistance to Authorized User's communications department in mutually acceptable duties related to the warranty or maintenance services provided under this Contract; and (iii) network analysis, design, architecture and configuration services. The Authorized User shall compensate Supplier for such additional on-site services in accordance with the prices identified in Exhibit B.

Furthermore, Supplier shall, upon request of an Authorized User by means of an order or SOW issued in accordance with the ordering provisions of this Contract, provide the following services beyond those identified as warranty or maintenance service offerings: (i) service on equipment not covered by this Contract, (ii) repair of damage or replacement of parts of hardware resulting from changes in the hardware environment, extraordinary use of the hardware, or interconnected devices, or (iii) service outside the applicable hours of service specified in an executed order or SOW referencing this Contract. The charge for such services shall be at the hourly rate specified in Exhibit B and shall be inclusive of all expenses. Warranty or maintenance services requested for a unit of hardware within the forty-eight (48) hour period immediately following Remedial

Maintenance performed on the same unit of hardware for the same problem, shall not be considered an additional service and shall be provided at no charge. Requests for additional services shall only be approved for payment by the Authorized User when a Product Service Record is included with the applicable invoice.

6. GENERAL WARRANTY

Supplier warrants and represents to VITA that Supplier will fulfill its contractual obligations and meet all needed requirements as described in Exhibit A as follows:

A. Ownership

Supplier has the right to perform and provide all contractual obligations and provide all needed services and products without violating or infringing any law, rule, regulation, copyright, patent, trade secret or other proprietary right of any third party.

B. Performance Warranty

Supplier warrants and represents the following with respect to Performance:

All contractual obligations shall be performed with care, skill and diligence, consistent with or above applicable professional standards currently recognized in Supplier's profession, and Supplier shall be responsible for the professional quality, technical accuracy, completeness and coordination of all plans, information, specifications, Deliverables and Services furnished under this Contract;

C. Documentation and Deliverables

Supplier warrants the following as applicable to the Contract:

i. The Documentation which Supplier is required to provide under this Contract shall be sufficient in detail and content to allow a user to understand and fully utilize, as applicable, System Software, Services, Maintenance Services, Product, Updates and Deliverables without reference to any other materials or information.

ii. The System Software, Services, Maintenance Services, Product, Updates and Deliverables provided or delivered hereunder are at the current release level unless an Authorized User specifies an older version in its order or SOW.

iii. No Update or engineering change or revision made to any Software, System Software, Services, Maintenance Services, Product, Application, Licensed Services, Updates and Deliverables provided by Supplier hereunder shall degrade the performance of any Software, System Software, Services, Maintenance Services, Product, Application, Licensed Services, and Deliverables to a level below that defined in the Requirements or the Product manufacturer's or Software Publisher's published specifications, as applicable, or cause any other warranty to be breached, or require an Authorized User to acquire additional hardware equipment or software.

D. Malicious Code

Supplier has used its best efforts through quality assurance procedures to ensure that there are no Computer Viruses or undocumented features in any Solution, Solution Component, Deliverables, Product, Software, System Software, Update, as obligated and provided by Supplier under the order or SOW, at the time of delivery to the Authorized User. Supplier warrants that the Solution, Solution Components, Deliverables, Product, Software, System Software, Update as obligated and provided by Supplier under the order or SOW does not contain any embedded device or code (e.g., time bomb) that is intended to obstruct or prevent any Authorized User's use of the Solution, Solution Components, Deliverables, Product, Software or System Software.

Notwithstanding any rights granted under this Contract or at law, Supplier hereby waives under any and all circumstances any right it may have or may hereafter have to exercise Electronic Self-Help. Supplier agrees that an Authorized User may pursue all remedies provided under law in the event of a breach or threatened breach of this Section, including injunctive or other equitable relief.

E. Open Source

Supplier will notify all Authorized Users if the Solution, Solution Components, Deliverables, Product, Software, Updates as obligated and provided by Supplier, contains any Open Source code and identify the specific Open Source License that applies to any embedded code dependent on Open Source code, provided by Supplier under this Contract.

F. Supplier's Viability

Supplier warrants that it has the financial capacity to perform and continue to perform its obligations under this Contract; that Supplier has no constructive or actual knowledge of a potential legal proceeding being brought against Supplier that could materially adversely affect performance of this Contract; and that entering into this Contract is not prohibited by any contract, or order by any court of competent jurisdiction.

G. Supplier's Past Experience

Supplier warrants that it has met similar contractual obligations and fulfilled the Requirements as set forth in Exhibit A and in this Contract, in similar or greater complexity, to other customers without significant problems due to Supplier's performance and without causing a contractual breach or default claim by any customer.

THE OBLIGATIONS OF SUPPLIER UNDER THIS GENERAL WARRANTY SECTION ARE MATERIAL. SUPPLIER MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY CONCERNING MERCHANTABILITY OR FITNESS FOR ANY OTHER PARTICULAR PURPOSE.

7. WARRANTY AND REMEDY OF PRODUCT

A. Product

Supplier warrants the following with respect to the Product:

- i). The Product shall be free of defects in material, design and workmanship;
- ii). Upon delivery, the Product shall be new and in Operating Condition and shall have all released engineering changes released to date already installed;
- iii). Supplier shall not disable any Authorized User's use of System Software through remote access or otherwise. If the System Software contains authorization codes allowing access to a data base or other software, Supplier warrants that such codes shall be perpetual and non-expiring.

B. Performance Standards and Mean Time Between Failure

For a period of five (5) years following acceptance of the Product by an Authorized User, Supplier warrants that the Product's performance standards and Mean Time Between Failure (MTBF) standards, calculated based upon such Authorized User's installed base of Supplier Product, shall be at least as good as the standards set forth in Exhibit B. If the Product fails to satisfy (i) the MTBF standards or (ii) the performance standards for that Product type as set forth herein, Supplier shall pay for any and all additional repairs, parts and labor required to bring Product to the appropriate level set forth in Exhibit B, including the cost to retrofit the entire installed Product base. If Supplier fails to so modify or replace the Product so as to achieve the MTBF standards within thirty (30) days, the Authorized User may, at its option, return such Product and receive a full refund during the Product warranty period, or if the warranty has expired, receive a straight line pro-rated refund, by year thereafter for the five (5) year period following installation of the Product.

C. Warranty Services

During the warranty period of twelve (12) months, or as specified in the applicable order or SOW, Supplier warrants that the Product shall meet the Requirements. Supplier shall provide warranty services (including unlimited telephonic support and all necessary travel and labor) during the Warranty Period at the prices identified in Exhibit B. Supplier shall correct, at no additional cost to any Authorized User, all errors identified during the warranty period that result in a failure of the Product to meet the Requirements.

Exhibit D provides detailed descriptions of the Supplier's warranty and maintenance offerings and responsibilities as well as remedies available to the Authorized User in the event Supplier fails to perform its warranty and maintenance obligations. Any remedies shall be paid to the Authorized User on a quarterly basis. Exhibit D defines coverage periods, response times, and restore times.

If multiple warranty levels are available, an Authorized User may elect, at any time, an alternative warranty level offered by Supplier. Such amendment shall take effect within thirty (30) days following Supplier's receipt of Authorized User's written notice, in the form of a modification to an order or SOW.

Authorized User's designated control organization shall have the exclusive authority to request warranty services. Supplier shall not respond to calls for service from any other source without prior written approval of Authorized User's agreement administrator designated on the relevant order.

In addition to any remedies described in Exhibit D, if Supplier is unable to make the Product, including System Software, conform, in all material respects to the Requirements, within thirty (30) days following notification by an Authorized User, Supplier shall, at such Authorized User's request, either (i) replace the non-conforming Product or (ii) accept return of the non-conforming Product and return all monies paid by such Authorized User for the returned Product.

Exhibit D provides detailed descriptions of the Supplier's warranty and maintenance offerings and responsibilities as well as remedies available to the Authorized User in the event Supplier fails to perform its warranty and maintenance obligations. Any remedies shall be paid to the Authorized User on a quarterly basis. Exhibit D defines coverage periods, response times, and restore times.

Notwithstanding anything to the contrary in this Contract or in any exhibit hereto, VITA and any Authorized User retain all rights and remedies available at law or in equity.

THE OBLIGATIONS OF SUPPLIER UNDER THIS WARRANTY AND REMEDY SECTION ARE MATERIAL. SUPPLIER MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY CONCERNING MERCHANTABILITY OR FITNESS FOR ANY OTHER PARTICULAR PURPOSE.

8. MAINTENANCE SERVICES

Supplier shall provide Maintenance Services (including unlimited telephonic support and all necessary travel and labor) during the Maintenance Coverage Period (MCP) at the prices identified in Exhibit B without additional charge to maintain the Product in accordance with the Requirements.

Exhibit D provides detailed descriptions of the Supplier's warranty and maintenance offerings and responsibilities as well as remedies available to the Authorized User in the event Supplier fails to perform its warranty and maintenance obligations. Any remedies shall be paid to the Authorized User on a quarterly basis. Exhibit D defines coverage periods, response times, and restore times.

Authorized User's designated control organization shall have the exclusive authority to request maintenance services. Supplier shall not respond to calls for service from any other source without prior written approval of Authorized User's agreement administrator designated on the relevant order or SOW.

A. Ordering

See Fees, Ordering and Payment Procedure section of Contract.

B. Renewal

At least sixty (60) days prior to the expiration of the MCP for each unit of Product, Supplier shall notify the Authorized User of such expiration, and the Authorized User, at its sole discretion, may issue an order or SOW to Supplier to renew Maintenance Services, including System Software Maintenance Services, for an additional one (1) year period. The annual fee for Maintenance Services shall not exceed the fee charged for the preceding year's Maintenance Services by more than three percent (3%), or the annual change in CPI, as defined in the Purchase Price and Price Protection section, in effect at the time, whichever is less. Termination of this Contract or cancellation of Maintenance Services, including System Software Maintenance Services if provided as a separate offering from Supplier, by an Authorized User shall not affect this Contract or the grant of any license pursuant thereto.

C. Services

Maintenance Services shall be as follows:

1. Product Covered

Exhibit B lists all Product types for which Supplier offers Maintenance Services. No Authorized User is obligated to continue Maintenance Services on Product that has been removed from service, provided Supplier has been notified in writing of such removal.

2. Preventive Maintenance

Supplier's Preventive Maintenance offerings and responsibilities, and the Authorized User's associated remedies, are described in Exhibit D.

3. Remedial Maintenance

Supplier's Remedial Maintenance offerings and responsibilities, and the Authorized User's associated remedies, are described in Exhibit D.

4. Replacement Parts

Supplier's offerings and responsibilities related to Replacement Parts, and the Authorized User's associated remedies, are described in Exhibit D.

5. Spares

Supplier's offerings and responsibilities related to Spares, and the Authorized User's associated remedies, are described in Exhibit D.

6. Notification and Correction of Defects

Supplier's offerings and responsibilities related to notification and correction of defects, and the Authorized User's associated remedies, are described in Exhibit D.

7. Advanced Replacement Services

Supplier's advanced replacement service offerings and responsibilities are described in Exhibit D.

8. On-site Maintenance Services

Supplier's on-site maintenance service offerings and responsibilities are described in Exhibit D.

9. System Software Maintenance

During the MCP and as part of the standard Maintenance Services offering, Supplier shall provide the following Maintenance Services (including unlimited telephonic support and all necessary travel and labor) without additional charge to any Authorized User to maintain the System Software in accordance with the Requirements:

a) New Releases

Supplier's responsibilities related to new releases of System Software and Documentation are described in Exhibit D.

b) Coverage

Supplier's offerings and responsibilities related to coverage for telephonic and written consultation in connection with use, problems, and operation of the System Software are described in Exhibit D.

c) Response and Restore Times

Supplier's response and restore times related to use, problems, and operation of the System Software, and any associated remedies, are described in Exhibit D.

10. Escalation Procedures

TBD based on Supplier proposal.

11. Remedies

In addition to any remedies described in Exhibit D, if Supplier is unable to make the Product, including the System Software, conform, in all material respects, to the Requirements within thirty (30) days following notification by an Authorized User, Supplier shall, at such Authorized User's request, either (i) provide a replacement Product at no additional cost to the Authorized User, or (ii) accept return of the Product and return all monies paid by such Authorized User (a) for Maintenance Services for the returned Product, including System Software, pro-rated on a monthly basis as of the date the Authorized User reported the non-conformity and (b) for the Product, including System Software, pro-rated on a monthly basis as of the date the Authorized User reported the non-conformity and based on the average life of the Product.

Notwithstanding anything to the contrary in this Contract or in any exhibit hereto, VITA and any Authorized User retain all rights and remedies available at law or in equity.

9. SCOPE OF USE

Any Authorized User may use the Product, and any software licensed in connection with such Product, on a worldwide basis for the benefit of itself and its agents. Supplier further authorizes use of the Product by third parties who are under contract with an Authorized User to provide outsourcing services, including but not limited to providing application development services, data processing or facilities or infrastructure management services for the benefit of such Authorized User. For Products to which the Commonwealth or an Authorized User takes title, and any System Software which is integral to such Products, under the terms of this Contract, there are no restrictions on subsequent resale or distribution thereof by the Commonwealth or such Authorized User.

10. SYSTEM SOFTWARE LICENSE

If Authorized User is a state agency, board, commission, or other quasi-political entity of the Commonwealth of Virginia or other body referenced in Title 2.2 of the Code of Virginia, the license shall be held by the Commonwealth. If Authorized User is a locality, municipality, school, school system, college, university, local board, local commission, or local quasi-political entity, the license shall be held by that public body. If Authorized User is a private institution of higher education which is listed at <http://www.cicv.org/Our-Colleges/Profiles.aspx>, the license shall be held by that private institution.

Software License (for internal embedded software, firmware and unless otherwise provided in the State's solicitation document, or in an attachment hereto): Products or Deliverables comprising goods, equipment or hardware may contain System Software for internal operation, or as embedded System Software or firmware that is generally not sold or licensed as a severable software product. System Software may be provided on separate media, such as floppy diskettes or CD-ROM, or may be included within the Product or Deliverable at or prior to delivery. Such System Software is proprietary, copyrighted, and may also contain valuable trade secrets and may be protected by patents. Supplier grants the Authorized Users of this Contract a license to use the code (or any replacement provided) on, or in conjunction with, only the Deliverables or Products purchased, or with any system identified in the Contract. Authorized Users may make and install copies of the System Software to support the authorized level of use. Provided, however that if the Product or Deliverable is inoperable, the System Software may be copied for temporary use on other hardware. Authorized Users shall promptly affix to any such copy the same proprietary and copyright notices affixed to the

original. Individual Authorized Users may make one copy of the software for archival, back-up or disaster recovery purposes. The license set forth in this paragraph shall terminate immediately upon the Authorized User's discontinuance of the use of the Product or Deliverable on which the System Software is installed. The System Software may be transferred to another party only with the transfer of the Product or Deliverable. If the Product or Deliverable is transferred by any Authorized User, such Authorized User shall before the transfer takes place i) destroy all System Software copies made by the Authorized User, ii) deliver the original or any replacement copies of the System Software to the transferee, and iii) notify the transferee that title and ownership of the System Software and the applicable patent, trademark, copyright, and other intellectual property rights shall remain with Supplier, or Supplier's licensors. Authorized Users shall not disassemble, decompile, reverse engineer, modify, or prepare derivative works of the embedded System Software, unless permitted under the Contract. Compliance with the terms and conditions of this paragraph and any license granted pursuant to this Contract is solely the responsibility of the Authorized User which purchased such license and not the responsibility of VITA, unless VITA purchased such license on its own behalf.

A. No Subsequent, Unilateral Modifications of Terms by Supplier ("Shrink-Wrap")

Notwithstanding any other provision or other unilateral license terms which may be issued by Supplier after the Effective Date of this Contract, and irrespective of whether any such provisions have been proposed prior to or after the issuance of an order or SOW for System Software licensed under this Contract, or the fact that such other agreement may be affixed to or accompany System Software upon delivery ("shrink wrap"), the terms and conditions set forth herein shall supersede and govern licensing and delivery of all products and services hereunder.

11. FEES, ORDERING AND PAYMENT PROCEDURE

A. Fees and Charges

As consideration for the Supplier's performance obligations and any additional products and services provided hereunder to an Authorized User in accordance with the scope of this Contract and the Requirements, as authorized by Exhibit A, and per the Authorized User's order or SOW, an Authorized User shall pay Supplier the fee(s) set forth on Exhibit B, which lists any and all fees and charges. The fees and any associated discounts shall be applicable throughout the term of this Contract; provided, however, that in the event the fees or discounts apply for any period less than the entire term, Supplier agrees that it shall not increase the fees more than once during any twelve (12) month period, commencing at the end of year one (1). No such increase shall exceed the lesser of three percent (3%) or the annual increase in the Consumer Price Index for All Urban Consumers (CPI-U), U.S. City Average, All Items, Not Seasonally Adjusted, as published by the Bureau of Labor Statistics of the Department of Labor (<http://www.bls.gov/cpi/home.htm>), for the effective date of the increase compared with the same index one (1) year prior. Any such change in price shall be submitted in writing to VITA and to the Authorized User if such change impacts any SOW or order and in accordance with the above and shall not become effective for sixty (60) days thereafter. Supplier agrees to offer price reductions to ensure compliance with the Competitive Pricing Section.

B. E-Rate

Supplier agrees to make available all E-rate Eligible Services as listed and priced herein to any Authorized User which is an Eligible Entity. Supplier agrees to provide the Services directly to the Eligible Entity, and to bill each Eligible Entity directly. Supplier agrees and understands that the responsibility for collection of all charges incurred, and the responsibility for resolving all Product and Service problems as well as administration of this Contract for E-rate participation shall be the sole responsibility of Supplier.

Supplier warrants that it is qualified under applicable Federal Communications Commission and Virginia State Corporation Commission rules to apply for and receive Universal Service Fund allocations/disbursements for Products and Services provided pursuant to this Contract to Eligible Entities on behalf, and for the benefit, of those Eligible Entities. The Supplier also agrees to maintain those qualifications, and to assist Eligible Entities in applying for and receiving these allocations/disbursements.

C. Ordering

Notwithstanding all Authorized User's rights to license or purchase Supplier's products or services under this Contract, an Authorized User is under no obligation to purchase or license from Supplier any of Supplier's products or services. [Modify this sentence only if this Contract is mandatory use for any Authorized User] This Contract is optional use and non-exclusive, and all Authorized Users may, at their sole discretion, purchase, license or otherwise receive benefits from third party suppliers of products and services similar to, or in competition with, the products and services provided by Supplier.

Supplier is required to accept any order or placed by an Authorized User through the eVA electronic procurement website portal (<http://www.eva.virginia.gov/>). eVA is the Commonwealth of Virginia's e-procurement system. State agencies, as defined in §2.2-2006 of the Code of Virginia, shall order through eVA. All other Authorized Users are encouraged to order through eVA, but may order through the following means:

- i. Purchase Order (PO): An official PO form issued by an Authorized User.
- ii. Any other order/payment charge or credit card process, such as AMEX, MASTERCARD, or VISA under contract for use by an Authorized User.

This ordering authority is limited to issuing orders or SOWs for the contractual offerings and Requirements available under the scope of this Contract. Under no circumstances shall any Authorized User have the authority to modify this Contract. An order or SOW from an Authorized User may contain additional terms and conditions; however, to the extent that the terms and conditions of the Authorized User's order or SOW are inconsistent with the terms and conditions of this Contract, the terms of this Contract shall supersede.

If the Contract allows for the provision of hardware Product, An Authorized User may order Maintenance Services for any Product at any time during the term of the Contract, irrespective of whether such Product is covered under warranty or maintenance at the time the order is issued to Supplier. Each order shall identify:

- i. Product and, if applicable, serial number, for which Maintenance Services shall be provided,
- ii. Maintenance Level to be provided, and
- iii. MCP for the Product Maintenance.

Authorized User may elect, at any time, another Maintenance Level offered by Supplier. Such amendment shall take effect within thirty (30) days following Supplier's receipt of Authorized User's written notice, in the form of a modification to an order or SOW.

Unless otherwise agreed to by the Authorized User and Supplier, the MCP for a unit of Product shall be one (1) year from the effective date of any executed order or SOW for Maintenance on such Product.

Notwithstanding the foregoing, Supplier shall not accept any order or SOW from an Authorized User if such order or SOW is to be funded, in whole or in part, by federal funds and if, at the time the order or SOW is placed, Supplier is not eligible to be the recipient of federal funds as may be noted on any of the Lists of Parties Excluded from Federal Procurement and Nonprocurement Programs.

ALL CONTRACTUAL OBLIGATIONS UNDER THIS CONTRACT IN CONNECTION WITH AN ORDER OR SOW PLACED BY ANY AUTHORIZED USER ARE THE SOLE OBLIGATION OF SUCH AUTHORIZED USER AND NOT THE RESPONSIBILITY OF VITA UNLESS SUCH AUTHORIZED USER IS VITA.

D. Reimbursement of Expenses

If allowable pursuant to an Authorized User's Statement of Work, such Authorized User shall pay, or reimburse Supplier, for all reasonable and actual travel-related expenses for greater than thirty (30) miles from portal to portal incurred by Supplier during the relevant period; provided, however, that such Authorized User shall only be liable to pay for Supplier's travel-related expenses, including transportation, meals, lodging and incidental expenses, that have been authorized by such Authorized User in advance in the Statement of Work and which will be reimbursable by such Authorized User at the then-current per diem amounts as published by the Virginia Department of Accounts (<http://www.doa.virginia.gov>) or a successor URL(s)). Authorized Users who are not public bodies may have their own per diem amounts applicable to Supplier's pre-approved travel expenses.

All reimbursed expenses will be billed to the Authorized User on a pass-through basis without any markup by Supplier. At Authorized User's request, Supplier shall provide copies of receipts for all travel expenses over US\$30.00.

E. Statement of Work

(Optional per Project; if not included, remove definition and all references in remaining provisions.)

An SOW, in the format provided in Exhibit D, shall be required for any orders placed by an Authorized User pursuant to this Contract. Supplier shall perform any and all contractual obligations at the times and locations set forth in the applicable SOW and at the rates set forth in Exhibit B herein. Unless VITA issues a written authorization for a time and materials type SOW, any SOW shall be of a fixed price type but may, with the written approval of VITA, contain a cost-reimbursable line item(s) for pre-approved travel expenses. In furtherance of compliance, invoicing, and auditing requirements, for time and materials type SOWs, Supplier personnel shall maintain daily time records of hours and tasks performed, which shall be submitted or made available for inspection by the Authorized User upon forty-eight (48) hours advance written notice.

Any change to an SOW must be described in a written change request (template provided as Exhibit E). Either Party to an SOW may issue a change request that will be subject to written approval of the other Party before it becomes part of this Contract. In no event shall any SOW or any modification thereto require the Supplier to provide any products or services that are beyond the scope of this Contract as such scope is defined in Exhibit A hereto.

F. Supplier Quote and Request for Quote

Should an Authorized User determine that a competitive process is required to ensure it receives the best value for its needed solution, product and/or services under this contract, such Authorized User may, at its sole discretion, on a case-by-case basis and upon approval by VITA, use a Request for Quote (RFQ) process to obtain identical or similar solutions, products and/or services to those provided by Supplier pursuant to this Contract. The RFQ process is typically used when an Authorized User requires a complete solution that may be fulfilled by Products and Services herein, but whose complexity or size may result in economies that could not be passed on to the Authorized User within the confines of the established contract catalog discount pricing. When an RFQ is used, the project timing and requirements will be clearly outlined in the RFQ document. In some situations, the Authorized User may not identify the exact specifications required. If that is the case, the RFQ respondents will be given the opportunity to identify and propose their recommended specifications.

Supplier shall respond to the RFQ by providing a quote, which shall include (a) a detailed description of each product or service proposed, including such product and services components, at the Exhibit B line item level, (b) the quantity of each such component, (c) the contract price, (d) any additional percentage discount offered, and (e) an extended price. If requested by the Authorized User, Supplier's quote shall also include a proposal describing the approach Supplier plans to take in developing, implementing, and maintaining its offering for the Authorized User. Should Supplier be unable to respond to the RFQ due, for example, to resource constraints, Supplier shall notify Authorized User in writing of its inability to perform the work requested by such Authorized User, and provide the reasons for such inability to perform, prior to the due date for the submission of quotes in response to the RFQ. [If only one contract is to be awarded add:] Supplier's failure to respond to an RFQ may be deemed a default of this Contract.

G. Invoice Procedures

Supplier shall remit each invoice to the "bill-to" address provided with the order promptly after all Supplier's performance obligations have been accepted and in accordance with the milestone payment schedule, if any, in the applicable order or SOW. Additionally, Supplier shall bill each Eligible Entity directly according to section B above, E-Rate. Payment for any support services, as authorized in the Contract and the Authorized User's applicable order or SOW, shall be annually in arrears unless otherwise stated herein, or in any order or SOW referencing this Contract. No invoice shall include any costs other than those identified in the executed order or SOW, which costs shall be in accordance with Exhibit B. Without limiting the foregoing, all shipping costs are the Supplier's responsibility except to the extent such charges are identified in Exhibit B, or as noted in any executed order or SOW referencing this Contract. Invoices issued by the Supplier shall identify at a minimum:

- i. Dates/periods that invoice covers, including any service or subscription periods, as applicable.
- ii. Line item description of the Deliverable(s), Product(s), Software, Hardware, Services, Solution and Solution Components, Maintenance Services, and/or Licensed Services, as applicable to this Contract, including components thereof or service type, and, if applicable, the project milestone.
- iii. Quantity, charge and extended pricing for each line item
- iv. Applicable order and/or SOW date
- v. This Contract number and the applicable order number and/or SOW number
- vi. Supplier's Federal Employer Identification Number (FEIN)

Any terms included on Supplier's invoice shall have no force or effect and will in no way bind VITA or any Authorized User.

H. Purchase Payment Terms

Supplier is responsible for the accuracy of its billing information. Supplier agrees not to issue invoices hereunder until all Supplier's performance obligations have been accepted and in accordance with the milestone payment schedule, if any, in the applicable order or SOW, or until after services have been rendered. Charges for Deliverables, components or services accepted more than ninety (90) days prior to receipt of a valid invoice may not be paid. Should Supplier repeatedly over bill Authorized User, Authorized User may assess a one percent (1%) charge for the amount over-billed for each month that such over-billing continues.

12. SUPPLIER-SPONSORED PRODUCT PROMOTIONS

The Supplier, at its discretion, may sponsor Product and Service promotions during the Contract term or any extensions thereof. Should Supplier choose to sponsor such a promotion, Supplier shall provide in writing to VITA, at least five (5) days prior to the promotion, the following information: (i) the dates of the promotion or the duration of the promotion to include the commencement date and the ending date; (ii) the exact Products or Services covered in the promotion; and (iii) the pricing or percentage discount offered during the promotion. VITA shall communicate to Supplier in writing its agreement to the promotion.

The Supplier shall be in breach of the Contract in the absence of a written agreement regarding the promotion. In any event wherein the Supplier proposes prices that are different than the Contract prices to any Authorized User without first obtaining VITA's agreement, the Supplier shall be in breach of the Contract, and VITA shall have all remedies available under Contract and law and in equity.

All Supplier-sponsored Product or Service promotions shall be available to all Authorized Users. Should the Supplier request a promotion that would be limiting, either through product configuration or quantities of Products and Services, VITA, at its sole discretion, may not provide a written agreement. VITA and Supplier agree that promotions shall not target any one Authorized User, or a few Authorized Users.

VITA and Authorized Users, at their discretion, may assist in advertising the promotion. This assistance may consist of advertising space on Authorized User web sites, or other assistance at an Authorized User's discretion.

13. REPORTING

Supplier is required to submit to VITA the following monthly reports:

- i. Report of Sales; and
- ii. Small Business Procurement and Subcontracting Report

These reports must be submitted using the instructions and further detailed requirements and templates found at the following URL: <http://www.vita.virginia.gov/scm/default.aspx?id=97>

Suppliers are encouraged to review the site periodically for updates on Supplier reporting requirements and methods.

As required by Executive Order 20 (2014) in addition to the requirements in the Invoice Procedures section of this Contract, Supplier shall provide to VITA at the time the final invoice is sent to the Authorized User, a SWaM Subcontracting Certification of Compliance certifying that Supplier has fully complied with the Contract's Supplier Procurement and Subcontracting Plan ("Plan"), originally submitted with Supplier's Proposal. If Supplier has not fully complied, meaning there is any variance between the proposed and contractually bound Plan and the actual subcontractor spend by Supplier, the SWaM Subcontracting Certification of Compliance must include a written explanation of any variances between the Plan and the actual participation.

Further, VITA may require Supplier to submit on a scheduled basis (monthly, quarterly, or other frequency) a SWaM Subcontracting Certification of Compliance detailing Supplier's compliance or variance to-date, along with any variance explanation. All submitted SWaM Subcontracting Certifications of Compliance shall be certified and signed by Supplier's contractually authorized representative.

The Supplier's SWaM Subcontracting Certifications of Compliance shall be maintained by VITA in the procurement file.

Should Supplier fail to comply with its contractually obligated Plan spend or fail to report its contractually obligated Plan spend, VITA may, at its sole discretion, prohibit or delay any renewals or extensions of the Contract, and/or may withhold any final payments due. Supplier's failure to comply shall be considered in the prospective award of any future contracts with Supplier.

Failure to comply with all reporting and other requirements in this Section may result in default of the Contract.

14. TRAINING AND DOCUMENTATION

A. Training

Supplier shall provide personnel sufficiently experienced and qualified to conduct such training at a time and location mutually agreeable to Supplier and Authorized User. Available additional and optional training, and applicable pricing and discounts, are described in Exhibit B.

B. Documentation

Supplier shall deliver to Authorized User three (3), or such number as agreed upon between the parties under an order or SOW, complete hard copies or electronic media of Documentation applicable to Supplier's Deliverable provided to Authorized User, as requested by such Authorized User. Should Supplier revise or replace the Documentation, or should Documentation be modified to reflect Updates, Supplier shall deliver to the Authorized User such updated or replacement Documentation, in the same quantity and media format as originally requested by such Authorized User, or as agreed upon between the parties. Any Authorized User shall have the right, as part of any license grant, to make as many additional copies of the Documentation, in whole or in part, for its own use as required. This Documentation shall include, but not be limited to, overview descriptions of all major functions, detailed step-by-step installation and operating procedures for each screen and activity, and technical reference manuals. Such Documentation shall be revised to reflect any modifications, fixes or updates made by Supplier. Any Authorized User shall have the right, as part of the license granted by Supplier, at its own discretion, to take all or portions of the Documentation, modify or completely customize it in support of the authorized use of the licensed application or software and may duplicate such Documentation

and include it in such Authorized User's document or platform. All Authorized Users shall continue to include Supplier's copyright notice.

15. AUTHORIZED USER SELF-SUFFICIENCY

Prior to or at any time during Supplier's performance of an order or SOW issued pursuant to this Contract, an Authorized User may require that Supplier provide to Authorized User a detailed plan to develop Authorized User self-sufficiency and to transition operation and management to Authorized User or its Agent, which Agent may be VITA, or an agent of VITA, or a third party provider under contract with Authorized User. At Authorized User's request and pursuant to an order or SOW for Supplier's Services issued hereunder, Supplier shall provide all assistance reasonably required by Authorized User to develop Authorized User's self-sufficiency in operating and managing the Solution, Products and/or Services that Supplier provided to Authorized User under the applicable order or SOW. During and/or after the transition period, Authorized User may, at its sole discretion, elect to order or continue Maintenance Services from Supplier, if authorized under the scope of the Contract, for any of the Software or hardware Product, components or Solution Components delivered to Authorized User by Supplier.

16. CONFIDENTIALITY

A. Treatment and Protection

Each Party shall (i) hold in strict confidence all Confidential Information of any other Party, (ii) use the Confidential Information solely to perform or to exercise its rights under this Contract, and (iii) not transfer, display, convey or otherwise disclose or make available all or any part of such Confidential Information to any third-party. However, an Authorized User may disclose the Confidential Information as delivered by Supplier to subcontractors, contractors or agents of such Authorized User that are bound by non-disclosure contracts with such Authorized User. Each Party shall take the same measures to protect against the disclosure or use of the Confidential Information as it takes to protect its own proprietary or confidential information (but in no event shall such measures be less than reasonable care).

B. Exclusions

The term "Confidential Information" shall not include information that is:

- i. in the public domain through no fault of the receiving Party or of any other person or entity that is similarly contractually or otherwise obligated;
- ii. obtained independently from a third-party without an obligation of confidentiality to the disclosing Party and without breach of this Contract;
- iii. developed independently by the receiving Party without reference to the Confidential Information of the other Party; or
- iv. required to be disclosed under The Virginia Freedom of Information Act (§§2.2-3700 et seq. of the Code of Virginia) or similar laws or pursuant to a court order.

C. Return or Destruction

Upon the termination or expiration of this Contract or upon the earlier request of the disclosing Authorized User, Supplier shall (i) at its own expense, (a) promptly return to the disclosing Authorized User all tangible Confidential Information (and all copies thereof except the record required by law) of the disclosing Authorized User, or (b) upon written request from the disclosing Authorized User, destroy such Confidential Information and provide the disclosing Authorized User with written certification of such destruction, and (ii) cease all further use of the Authorized User's Confidential Information, whether in tangible or intangible form.

VITA or the Authorized User shall retain and dispose of Supplier's Confidential Information in accordance with the Commonwealth of Virginia's records retention policies or, if Authorized User is not subject to such policies, in accordance with such Authorized User's own records retention policies.

D. Confidentiality Statement

All Supplier personnel, contractors, agents, and subcontractors performing Services pursuant to this Contract shall be required to sign a confidentiality statement or non-disclosure agreement. Any violation of such statement or agreement shall be deemed a breach of this Contract and may result in termination of the Contract or any order or SOW issued hereunder.

17. INDEMNIFICATION AND LIABILITY

A. Indemnification

Supplier agrees to indemnify, defend and hold harmless the Commonwealth, VITA, any Authorized User, their officers, directors, agents and employees (collectively, "Commonwealth's Indemnified Parties") from and against any and all losses, damages, claims, demands, proceedings, suits and actions, including any related liabilities, obligations, losses, damages, assessments, fines, penalties (whether criminal or civil), judgments, settlements, expenses (including attorneys' and accountants' fees and disbursements) and costs (each, a "Claim" and collectively, "Claims"), incurred by, borne by or asserted against any of Commonwealth's Indemnified Parties to the extent such Claims in any way relate to, arise out of or result from: (i) any intentional or willful conduct or negligence of any employee, agent, or subcontractor of Supplier, (ii) any act or omission of any employee, agent, or subcontractor of Supplier, (iii) breach of any representation, warranty or covenant of Supplier contained herein, (iv) any defect in the Supplier-provided products or services, or (v) any actual or alleged infringement or misappropriation of any third party's intellectual property rights by any of the Supplier-provided products or services. Selection and approval of counsel and approval of any settlement shall be accomplished in accordance with all applicable laws, rules and regulations. For state agencies the applicable laws include §§ 2.2-510 and 2.2-514 of the Code of Virginia. In all cases involving the Commonwealth or state agencies, the selection and approval of counsel and approval of any settlement shall be satisfactory to the Commonwealth. In the event of a settlement between Supplier and a private institution of higher education who is an Authorized User of this contract, such settlement shall be satisfactory to that institution.

In the event that a Claim is commenced against any of Commonwealth's Indemnified Parties alleging that use of the Supplier-provided products or services, including any components thereof, or that the Supplier's performance or delivery of any product or service under this Contract infringes any third party's intellectual property rights and Supplier is of the opinion that the allegations in such Claim in whole or in part are not covered by this indemnification provision, Supplier shall immediately notify VITA and the affected Authorized User(s) in writing, via certified mail, specifying to what extent Supplier believes it is obligated to defend and indemnify under the terms and conditions of this Contract. Supplier shall in such event protect the interests of the Commonwealth's Indemnified Parties and secure a continuance to permit VITA and the affected Authorized User(s) to appear and defend their interests in cooperation with Supplier as is appropriate, including any jurisdictional defenses VITA or the affected Authorized User(s) may have.

In the event of a Claim pursuant to any actual or alleged infringement or misappropriation of any third party's intellectual property rights by any of the Supplier-provided Deliverables, Products, Software, Services, Solution, including Solution Components, Application and Licensed Services, as applicable, or Supplier's performance, and in addition to all other obligations of Supplier in this Section, Supplier shall at its expense, either (a) procure for all Authorized Users the right to continue use of such infringing Deliverables, Products, Software, Services, Solution, including Solution Components, Application and Licensed Services, as applicable, or any component thereof; or (b) replace or modify such infringing Deliverables, Products, Software, Services, Solution, including Solution Components, Application and Licensed Services, as applicable, or any component thereof, with non-infringing Deliverables, Products, Software, Services, Solution or Solution Component(s), Application and Licensed Services, as applicable, satisfactory to VITA. And in addition, Supplier shall provide any Authorized User with a comparable temporary replacement products and/or services or reimburse VITA or any Authorized User for the reasonable costs incurred by VITA or such Authorized User in obtaining an alternative product or service, in the event such Authorized User cannot use the affected Deliverable, Product, Software, Services, Solution or Solution Component(s), Application and Licensed Services, as applicable, or any component thereof. If Supplier cannot accomplish any of the foregoing within a

reasonable time and at commercially reasonable rates, then Supplier shall accept the return of the infringing Deliverables, Products, Software, Services, Solution, Solution Component, Application and Licensed Services, as applicable, or any component thereof, along with any other components rendered unusable by any Authorized User as a result of the infringing component, and refund the price paid to Supplier for such components.

B. Liability

Except for liability with respect to (i) any intentional or willful misconduct or negligence of any employee, agent, or subcontractor of Supplier, (ii) any act or omission of any employee, agent, or subcontractor of Supplier, (iii) claims for bodily injury, including death, and real and tangible property damage, (iv) Supplier's indemnification obligations, (v) Supplier's confidentiality obligations, (vi) Supplier's security compliance obligations, and (vii) Supplier's data privacy and security obligations as specified under this Contract, Supplier's liability shall be limited to twice the aggregate value of the delivered and accepted Deliverables, Products, Software, Services, Solution, including Solution Components, Application and Licensed Services, as applicable, provided by Supplier to all Authorized Users under this Contract. Supplier agrees that it is fully responsible for all acts and omissions of its employees, agents, and subcontractors, including their gross negligence or willful misconduct. The limitation shall apply on a per-incident basis, it being understood that multiple losses stemming from the same root cause constitute a single incident.

FOR ALL OTHER CONTRACTUAL CLAIMS, IN NO EVENT WILL ANY PARTY BE LIABLE TO ANY OTHER PARTY FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, INCLUDING (WITHOUT LIMITATION) LOSS OF PROFIT, INCOME OR SAVINGS, EVEN IF ADVISED OF THE POSSIBILITY THEREOF, EXCEPT WHEN SUCH DAMAGES ARE CAUSED BY THE GROSS NEGLIGENCE OR WILLFUL MISCONDUCT OF THE PARTY, ITS EMPLOYEES, AGENTS OR SUBCONTRACTORS.

18. SECURITY COMPLIANCE

Supplier agrees to comply with all provisions of the then-current Commonwealth of Virginia security procedures, published by the Virginia Information Technologies Agency (VITA) and which may be found at: (<https://www.vita.virginia.gov/library/default.aspx?id=537>) or a successor URL(s), as are pertinent to Supplier's operation. Supplier further agrees to comply with all provisions of the relevant Authorized User's then-current security procedures as are pertinent to Supplier's operation and which have been supplied to Supplier by such Authorized User. Supplier shall also comply with all applicable federal, state and local laws and regulations. For any individual Authorized User location, security procedures may include but not be limited to: background checks, records verification, photographing, and fingerprinting of Supplier's employees or agents. Supplier may, at any time, be required to execute and complete, for each individual Supplier employee or agent, additional forms which may include non-disclosure agreements to be signed by Supplier's employees or agents acknowledging that all Authorized User information with which such employees and agents come into contact while at the Authorized User site is confidential and proprietary. Any unauthorized release of proprietary or Personal information by the Supplier or an employee or agent of Supplier shall constitute a breach of its obligations under this Section and the Contract. Supplier shall immediately notify VITA and Authorized User, if applicable, of any Breach of Unencrypted and Unredacted Personal Information, as those terms are defined in Virginia Code 18.2-186.6, and other personal identifying information, such as insurance data or date of birth, provided by VITA or Authorized User to Supplier. Supplier shall provide VITA the opportunity to participate in the investigation of the Breach and to exercise control over reporting the unauthorized disclosure, to the extent permitted by law. Supplier shall indemnify, defend, and hold the Commonwealth, VITA, the Authorized User, their officers, directors, employees and agents harmless from and against any and all fines, penalties (whether criminal or civil), judgments, damages and assessments, including reasonable expenses suffered by, accrued against, or charged to or recoverable from the Commonwealth, VITA, the Authorized User, their officers, directors, agents or employees, on account of the failure of Supplier to perform its obligations pursuant this Section.

19. IMPORT/EXPORT

In addition to compliance by Supplier with all export laws and regulations, VITA requires that any data deemed “restricted” or “sensitive” by either federal or state authorities, must only be collected, developed, analyzed, or otherwise used or obtained by persons or entities working within the boundaries of the United States.

20. BANKRUPTCY

If Supplier becomes insolvent, takes any step leading to its cessation as a going concern, fails to pay its debts as they become due, or ceases business operations continuously for longer than fifteen (15) business days, then VITA may immediately terminate this Contract, and an Authorized User may terminate an order or SOW, on notice to Supplier unless Supplier immediately gives VITA or such Authorized User adequate assurance of the future performance of this Contract or the applicable order or SOW. If bankruptcy proceedings are commenced with respect to Supplier, and if this Contract has not otherwise terminated, then VITA may suspend all further performance of this Contract until Supplier assumes this Contract and provides adequate assurance of performance thereof or rejects this Contract pursuant to Section 365 of the Bankruptcy Code or any similar or successor provision, it being agreed by VITA and Supplier that this is an executory contract. Any such suspension of further performance by VITA or Authorized User pending Supplier’s assumption or rejection shall not be a breach of this Contract, and shall not affect the rights of VITA or any Authorized User to pursue or enforce any of its rights under this Contract or otherwise.

21. GENERAL PROVISIONS

A. Relationship Between VITA and Authorized User and Supplier

Supplier has no authority to contract for VITA or any Authorized User or in any way to bind, to commit VITA or any Authorized User to any agreement of any kind, or to assume any liabilities of any nature in the name of or on behalf of VITA or any Authorized User. Under no circumstances shall Supplier, or any of its employees, hold itself out as or be considered an agent or an employee of VITA or any Authorized User, and neither VITA nor any Authorized User shall have any duty to provide or maintain any insurance or other employee benefits on behalf of Supplier or its employees. Supplier represents and warrants that it is an independent contractor for purposes of federal, state and local employment taxes and agrees that neither VITA nor any Authorized User is responsible to collect or withhold any federal, state or local employment taxes, including, but not limited to, income tax withholding and social security contributions, for Supplier. Any and all taxes, interest or penalties, (including, but not limited to, any federal, state or local withholding or employment taxes, and any penalties related to health care or employee benefits laws) that are imposed, assessed or levied as a result of this Contract or Services performed pursuant to this Contract shall be paid or withheld by Supplier or, if assessed against and paid by VITA or any Authorized User, shall be reimbursed by Supplier upon demand by VITA or such Authorized User.

B. Incorporated Contractual Provisions

The then-current contractual provisions at the following URL are mandatory contractual provisions, required by law or by VITA, and that are hereby incorporated by reference: https://www.vita.virginia.gov/uploadedfiles/VITA_Main_Public/scm/StatutorilyMandatedTsandCs.pdf

The contractual claims provision §2.2-4363 of the Code of Virginia and the required eVA provisions at https://www.vita.virginia.gov/uploadedfiles/VITA_Main_Public/scm/eVATsandCs.pdf are also incorporated by reference.

The then-current terms and conditions in documents posted to the aforementioned URLs are subject to change pursuant to action by the legislature of the Commonwealth of Virginia, change in VITA policy, or the adoption of revised eVA business requirements. If a change is made to the terms and conditions, a new effective date will be noted in the document title. Supplier is advised to check the URLs periodically.

C. Compliance with the Federal Lobbying Act

Supplier's signed certification of compliance with 31 USC 1352 (entitled "Limitation on use of appropriated funds to influence certain Federal Contracting and financial transactions") or by the regulations issued from time to time thereunder (together, the "Lobbying Act") is incorporated as an exhibit to this Contract.

D. Governing Law

This Contract shall be governed by and construed in accordance with the laws of the Commonwealth of Virginia without regard to that body of law controlling choice of law. Any and all litigation shall be brought in the circuit courts of the Commonwealth of Virginia. The English language version of this Contract prevails when interpreting this Contract. The United Nations Convention on Contracts for the International Sale of Goods and all other laws and international treaties or conventions relating to the sale of goods are expressly disclaimed. UCITA shall apply to this Contract only to the extent required by §59.1-501.15 of the Code of Virginia.

E. Dispute Resolution

In accordance with §2.2-4363 of the Code of Virginia, Contractual claims, whether for money or other relief, shall be submitted in writing to the public body from whom the relief is sought no later than sixty (60) days after final payment; however, written notice of the Supplier's intention to file such claim must be given to such public body at the time of the occurrence or beginning of the work upon which the claim is based. Pendency of claims shall not delay payment of amounts agreed due in the final payment. The relevant public body shall render a final decision in writing within thirty (30) days after its receipt of the Supplier's written claim.

The Supplier may not invoke any available administrative procedure under §2.2-4365 of the Code of Virginia nor institute legal action prior to receipt of the decision of the relevant public body on the claim, unless that public body fails to render its decision within thirty (30) days. The decision of the relevant public body shall be final and conclusive unless the Supplier, within six (6) months of the date of the final decision on the claim, invokes appropriate action under §2.2-4364, Code of Virginia or the administrative procedure authorized by §2.2-4365, Code of Virginia.

Upon request from the public body from whom the relief is sought, Supplier agrees to submit any and all contractual disputes arising from this Contract to such public body's alternative dispute resolution (ADR) procedures, if any. Supplier may invoke such public body's ADR procedures, if any, at any time and concurrently with any other statutory remedies prescribed by the Code of Virginia.

In the event of any breach by a public body or a private institution, Supplier's remedies shall be limited to claims for damages and Prompt Payment Act interest and, if available and warranted, equitable relief, all such claims to be processed pursuant to this Section. In no event shall Supplier's remedies include the right to terminate any license or support services hereunder.

F. Advertising and Use of Proprietary Marks

Supplier shall not use the name of VITA or any Authorized User or refer to VITA or any Authorized User, directly or indirectly, in any press release or formal advertisement without receiving prior written consent of VITA or such Authorized User. In no event may Supplier use a proprietary mark of VITA or an Authorized User without receiving the prior written consent of VITA or the Authorized User.

G. Notices

Any notice required or permitted to be given under this Contract shall be in writing and shall be deemed to have been sufficiently given if delivered in person, or if deposited in the U.S. mails, postage prepaid, for mailing by registered, certified mail, or overnight courier service addressed to:

i. To VITA and to Supplier, if Supplier is incorporated in the Commonwealth of Virginia, to the addresses shown on the signature page.

ii. To Supplier, if Supplier is incorporated outside the Commonwealth of Virginia, to the Registered Agent registered with the Virginia State Corporation Commission.

Pursuant to Title 13.1 of the Code of Virginia, VITA or Supplier may change its address for notice purposes by giving the other notice of such change in accordance with this Section.

Administrative contract renewals, modifications or non-claim related notices are excluded from the above requirement. Such written and/or executed contract administration actions may be processed by the assigned VITA and Supplier points of contact for this Contract and may be given in person, via U.S. mail, courier service or electronically.

H. No Waiver

Any failure to enforce any terms of this Contract shall not constitute a waiver.

I. Assignment

This Contract shall be binding upon and shall inure to the benefit of the permitted successors and assigns of VITA and Supplier. Supplier may not assign, subcontract, delegate or otherwise convey this Contract or any of its rights and obligations hereunder, to any entity without the prior written consent of VITA which will not be unreasonably withheld, and any such attempted assignment or subcontracting without consent shall be void. VITA may assign this Contract to any entity, so long as the assignee agrees in writing to be bound by the all the terms and conditions of this Contract.

If any law limits the right of VITA or Supplier to prohibit assignment or nonconsensual assignments, the effective date of the assignment shall be thirty (30) days after the Supplier gives VITA prompt written notice of the assignment, signed by authorized representatives of both the Supplier and the assignee. Any payments made prior to receipt of such notification shall not be covered by this assignment.

J. Captions

The captions are for convenience and in no way define, limit or enlarge the scope of this Contract or any of its Sections.

K. Severability

Invalidity of any term of this Contract, in whole or in part, shall not affect the validity of any other term. VITA and Supplier further agree that in the event such provision is an essential part of this Contract, they shall immediately begin negotiations for a suitable replacement provision.

L. Survival

Any provisions of this Contract regarding Software License, Rights To Work Product, Warranty, Escrow, Confidentiality, Content Privacy and Security, Liability, Indemnification, Transition of Services, and the General Provisions shall survive the expiration or termination of this Contract.

M. Force Majeure

No Party shall be responsible for failure to meet its obligations under this Contract if the failure arises from causes beyond the control and without the fault or negligence of the non-performing Party. If any performance date under this Contract is postponed or extended pursuant to this section for longer than thirty (30) calendar days, VITA, by written notice given during the postponement or extension, may terminate Supplier's right to render further performance after the effective date of termination without liability for that termination, and in addition an Authorized User may terminate any order or SOW affected by such postponement or delay.

N. Remedies

The remedies set forth in this Contract are intended to be cumulative. In addition to any specific remedy, VITA and all Authorized Users reserve any and all other remedies that may be available at law or in equity.

O. Right to Audit

VITA reserves the right to audit those Supplier records that relate to the Contract or any SOWs or orders issued there under. VITA's right to audit shall be limited as follows:

- i. Three (3) years from end date of the Contract;
- ii. Performed at Supplier's premises, during normal business hours at mutually agreed upon times; and
- iii. Excludes access to Supplier cost information. In no event shall Supplier have the right to audit, or require to have audited, VITA or any Authorized User.

P. Contract Administration

Supplier agrees that at all times during the term of this Contract an account executive, at Supplier's senior management level, shall be assigned and available to VITA. Supplier reserves the right to change such account executive upon reasonable advance written notice to VITA.

Q. Entire Contract

The following Exhibits, including all subparts thereof, are attached to this Contract and are made a part of this Contract for all purposes:

Exhibit A - Requirements

Exhibit B - Pricing

Exhibit C – Service Level Agreements (SLAs)

Exhibit D - Statement of Work (SOW) Template

Exhibit E – SOW Change Order Template

Exhibit F - Reserved

Exhibit G - Certification Regarding Lobbying

Exhibit H - Supplier Procurement and Subcontracting Plan

This Contract, its Exhibits, and any prior non-disclosure agreement constitute the entire agreement between VITA and Supplier and supersede any and all previous representations, understandings, discussions or agreements between VITA and Supplier as to the subject matter hereof. Any and all terms and conditions contained in, incorporated into, or referenced by the Supplier's Proposal shall be deemed invalid. The provisions of the Virginia Department of General Services, Division of Purchases and Supply Vendor's Manual shall not apply to this Contract or any order issued hereunder. This Contract may only be amended by an instrument in writing signed by VITA and Supplier. In the event of a conflict, the following order of precedence shall apply: this Contract document, (Exhibit A, any individual SOW, and Exhibit B).

An Authorized User and Supplier may enter into an ordering agreement pursuant to this Contract. To the extent that such ordering agreement, or any order or SOW issued hereunder, include any terms and conditions inconsistent with the terms and conditions of this Contract, such terms and conditions shall be of no force and effect.

VITA and Supplier each acknowledge that it has had the opportunity to review this Contract and to obtain appropriate legal review if it so chose.

Executed as of the last date set forth below by the undersigned authorized representatives of VITA and Supplier.

Supplier

By: 

(Signature)

Name: Hunter Dorroh

(Print)

Title: Owner/CEO

Date: 3/22/2016

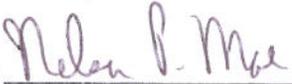
Address for Notice:

2809 S.. Lynnhaven Road, Suite 250

Virginia Beach, VA 23452

Attention: Supplier Contact

VITA

By: 

(Signature)

Name: Nelson P. Moe

(Print)

Title: Chief Information Officer

Date: 3/24/2016

Address for Notice:

Attention: Contract Administrator

Exhibit A

Requirements

Instructions

Suppliers are to indicate their capability of fulfilling each specific requirement. Each Supplier's responses will be reviewed and compared across Suppliers within each section in order to determine the best solution for the Commonwealth.

Detailed requirements are presented in questionnaire format to facilitate direct responses and establish accountability regarding delivery of Solution by the Supplier. To respond to each requirement, Supplier is asked to enter, in the space provided in **Column A**, a code that best corresponds to its intended response for the requirement listed.

The acceptable codes for **Column A** are as follows:

Y - "Yes" - Supplier can fully meet the requirement as documented with its current application or proposed solution. If applicable, Supplier should provide in **Column B** an explanation of how it will fulfill the requirement. This may include use of alliances with other suppliers. Supplier may also use **Column B** to cross-reference a detailed explanation included in an attachment of its proposal.

F - "Yes, Future" - Supplier will be able to fully meet this requirement in the near future (*not longer than three months from the date of the proposal*). Supplier should provide a proposed start date and cross-reference any attached documentation in **Column B**.

N - "No" - Supplier cannot meet the requirement and has no firm plans to be in the position to meet this need within three months from the date of the proposal.

	General	A	B
1.1	Does your solution comply with all current COV ITRM Policies and Standards, as applicable, found at: http://www.vita.virginia.gov/library/default.aspx?id=537 If proposed solution does not, please provide details that specify the Standard/Policy and how Supplier's solution does not comply.	Y	Yes, we comply.
1.2	Do your proposed interfaces to Commonwealth systems comply with or have approved exceptions to all applicable Commonwealth Data Standards as found at: http://www.vita.virginia.gov/oversight/default.aspx?id=10344 If not, please explain	Y	Yes, we comply.
1.3	Does your solution include individuals familiar with the rules and regulations regarding the Federal E-Rate program? Please explain.	Y	ABS has a dedicated Senior Account Manager with more than 14 Years experience with ERATE. She leads the specialized team of Account Mangers on matters of Erate. ABS also has a dedicated procurement person and billing person with over 3 years of experience with the E Rate program.
1.4	Does your solution include a valid SPIN (<i>service provider identification number</i>)? Please provide.	Y	143022950
1.5	Does your solution include a valid SPI (<i>service provider invoice</i>) ? Please provide.	Y	Yes, please see example in the Appendices portion of our response.
1.6	Does your organization currently have existing customers in the Commonwealth? If yes, please explain.	Y	Yes, ABS is headquartered in Virginia, with the majority of our clients being in state as well. ABS works with over 40% of the school districts in the commonwealth along with several state and local entity's. Please see our Experience and References section in this response for more detail.
1.7	You have agreed that your proposed solution will provide a complete manufacturer's catalog, including all network hardware products and related services. Can you provide detail on how this will be accomplished?	Y	ABS is proposing Cisco, Meraki and Aerohive solutions as well as a list of supporting products. ABS is authorized to resell the complete manufacturer's catalog, including all network and wireless equipment products and related services for everything proposed. ABS has included a link to all price lists that were publicly available, including the main three manufacturers being proposed in the pricing section of our response.
1.8	You have agreed that your proposed solution will be capable of providing wireless and wired hardware and related services to all public bodies in the entire Commonwealth. Can you provide detail on how this will be accomplished?	Y	As mentioned in our reference section and above, ABS currently supports entities through the Commonwealth. From a geographic perspective, we are able to reach any site in Virginia from one of our three offices. From a staffing perspective, ABS has created a reputation for building out the strongest network engineering team in the Commonwealth. Each office has an account management team that works with our engineers to ensure that the needs of our clients are addressed and planned for appropriately.
1.9	Does your proposed solution plan to utilize subcontractors or alliances? If yes, please describe the type of work that will be performed by them.	N	Our proposed solutions will not be dependent upon subcontractors or alliances. ABS is capable of supporting this contract with our internal resources.
1.10	VITA encourages Suppliers to develop a catalog website that interfaces with eVA. Does your solution include a punch-out catalog website? Refer to: https://eva.virginia.gov/pages/eva-catalog-creation.htm	F	We in the process of building this. Should ABS be awarded the contract, the catalog will be up within 90 days of award. With that being said, the value add of ABS is that we are here to help design and discuss solutions for our clients with them to ensure that all the goals are being met by the products being purchased.

	Please provide either screen shots or a link to serve as an example.		met by the products being purchased.
1.11	Does your organization currently interface, via a punch out to your application, with existing customer e-procurement portals similar to the Commonwealth's eVA portal solution?	N	Not currently, but offering our clients a similar portal is in our 1 year roadmap.
1.12	Will your solution provide product incentives, credits and or rebate programs? Please provide details.	Y	ABS works closely with our manufacturers. When there are incentive/promotions available for a particular solution that provide increased discount , ABS may pass that on to the clients using this contract. ABS can also provide additional incentives such as trade-in credits for displaced equipment (where permitted by funding sources).
1.13	Will your solution offer volume-tiered discounts on products? Please provide details.	Y	Our pricing matrix included in the pricing section of our response indicates volume discounts that are in line with the increased discounts received from the manufacturers at their discount thresholds.
1.14	Does your solution provide any additional related services that would be an added value to the Commonwealth? Please describe and provide examples.	Y	<p>Absolutely. That is one of the reasons we are so proud and excited about our response. Please see the several value adds below:</p> <p>Structured Cabling : ABS has a fully staffed, highly experienced structured cabling department. This allows for a TRUE end to end solution all under one vendor. Whether it is for an Erate eligible K-12 wifi cabling project or a state agency needs a few cabling drops, ABS's team is known for their excellent attention to detail.</p> <p>Project Management Office: ABS has dedicated project management office with highly qualified project managers that are accustomed to working with public sector clients. Every project is assigned a project manager to ensure that the process is flowed and the project stays on time and in budget.</p> <p>Dedicated Maintenance Manager. Maintenance is one of those things that most people deal with because they have to, not because they want to. Our dedicated maintenance manager is the opposite. Her expertise cost the clients nothing, but add a tremendous amount of value in quoting, organizing, consolidating, maintenance quotes and renewals. She will also open cases with the manufacturers on behalf of the client at no additional cost.</p> <p>Stellar Documentation: ABS has been told buy our clients time and time again that the quantity and quality of the documentation we provide at the conclusion of a project far exceeds expectations. We pride ourselves in ensuring the client is fully aware of the work that we have done and has all the information on hand that is needed to be self sufficient (if that is what they choose).</p>
1.15	Does your solution include a dedicated account manager for the duration of any contract? Please provide details.	Y	ABS staffs Account Mangers throughout the state that focus on Public Sector accounts. Please see the map and our response in section 4. H. 2.
1.16	Will your organization market and promote any resulting contract to schools, universities, local and non-Executive Branch state agencies? Please provide a marketing plan and examples of marketing tools.	F	ABS has already begun a modification to our website to include not only the contract, but a summary of the pertinent information and links to the contract documents themselves. With public sector such a tremendous focus of ABS, the account managers are well versed in contracts. Should ABS receive an award for this contract, our marketing team intends to launch a notification campaign in conjunction with our Account Mangers to ensure that all entities in the Commonwealth are aware. Similar campaigns to educate these entities include the one we developed around the Erate Program Modifications in the summer of 2014. The goal of that campaign was to ensure that the eligible entities were aware of the changes and had a summary of pertinent information. ABS has included an example of the infographic in the Erate experience portion of our response that we created and then updated that was mailed and emailed to all K-12 entities.

1.17	Does your solution include any additional marketing services that would be an added value to the Commonwealth? Please describe and provide details.	Y	ABS is a well respected company in the state. Being listed on the VITA contract could potentially drive our existing customers to utilize this contract in lieu of some of the other cooperative contracts we hold. The above mention website page will also help simplify the procurement process and ensure the entities have all the information they need in regards to the resulting contract.
1.18	Does your solution include a customer support program for the duration of any resulting contract? Please describe your firm's ability to keep users informed of new products, changes in technology, advanced specification documentation and other market information.	Y	From a technical customer support perspective, ABS has a fully staffed 24x7 support team to receive and respond to support calls. Please see Section H.1 for an extremely detailed summary of our ability to support the technology after project closure. From the perspective of keeping users educated and updated, ABS has a dedicated team of highly qualified Solutions Architects. This teams works closely with the Account Mangers to ensure that the clients are kept up to date on changes in the technology, working together to roadmap out solutions and get clients in touch directly with manufacturers and their documentation when need be. These resources and their level of expertise are one of the main factors in what sets ABS apart from our completion.

	Ordering & Reports	A	B
2.1	Will your organization respond to an order request within one (1) business day? Please provide detail on how this will be accomplished.	Y	An ABS Inside Sales Account Manager is required to respond to order requests within one business day. All order requests submitted prior to 4 PM will be processed the same business day. Requests submitted after 4 PM will be processed prior to 12 PM the following business day. Should an issue or question arise that requires escalation, the Procurement Associate will address the issue with the Procurement Team Manager. If the Team Manager is unable to resolve the issue, he/she will then address the issue with the VP of Operations. If necessary, the VP of Operations will escalate to the EVP of Finance & Operations and EVP of Sales.
2.2	Will your organization ship all "in-stock" hardware, not requiring configuration or installation, within 48 hours of receiving an order? Please provide details.	Y	In-stock items that do not require configuration or installation will be shipped within 48 hours of order receipt. Please note, if an order is received after business hours (5 PM EST) it is considered to have been received at the start of the next business day.
2.3	Does your solution include an in-house order tracking system that can be accessed by a customer? Please provide details.	Y	ABS Technology has a tracking system that will generate an automated email sent directly to the customer where the tracking information can be accessed. Tracking information can also be requested at any time from the customer's dedicated ABS Sales Team.
2.4	Will your proposed solution include restocking fees for returned standard off-the-shelf products? If so, please explain.	N	ABS will work with our distributors to attempt to avoid restocking fees in any scenario. However, if the items needs to be restocked due to an ABS design/configuration error, no restocking fee will be charged to the entity. If there is a restocking fee for an item that was simply sourced from ABS, that exact fee with no markup will be charged to the client.
2.5	Does your solution include a process to resolve ordering/billing disputes? Please describe the process.	Y	Customers may contact their dedicated ABS Sales Team for all ordering disputes. Customers may contact their dedicated ABS Accounts Receivable representative for all billing disputes. All disputes are addressed within one business day and disputes not resolved within (5) business days are escalated to appropriate management teams including the VP of Operations and if necessary, EVP of Finance & Operations and EVP of Sales.
2.6	Does your solution include reports detailing equipment that has been ordered by customers? Please provide examples.	Y	There are a number of different reports and formats this information can be offered in. For the Cisco products purchased, there is a report that is easily pulled at any time called a Contract Summary Detailed (CSD) report. Please an example of this in the Appendices documents. ABS's uses Microsoft Dynamics for our CRM solution and is able to pull & deliver reports on recent purchases from that tool as well.

2.7	Does your solution include reports detailing where hardware has been installed? Please provide examples.	Y	If ABS was hired to do the installation of the equipment, our as-built documentation would be delivered before project close out. That documentation would have the locations of the devices installed. For the hosted solutions, this information could be found by simply logging into the management website (Meraki / Aerohive) to pull it up. Specifically for Cisco, Cisco Service Contract Center for real-time install site details for hardware active on any of the customer's Cisco Smart Net contracts, of which ABS can work with the client and Cisco to ensure that the proper Site IDs are listed for each location under a clients contract. This is something that is done or Maintenance Manager at no cost to our clients.
2.8	Does your solution include any additional inventory management reports that would be an added value to the Commonwealth? Please provide details.	Y	Those clients that elect to purchase our Managed Services solutions will always have an up to date inventory report as to exactly what is on their network that falls under the device agreement with us. For those that manage their own networks, the documentation listed above would include the information requested in regard to the inventory changes made via RMAs, trade-ins, replacements from warranties, etc.
2.9	Does your solution include any invoice/purchase order reports regarding Item 21, in the Universal Service Administrative Company (USAC) template? Please explain.	Y	ABS has processed over \$8 Million in Erate invoices along with the entities portion that went along with it. Please see Section E - Erate Experience for a summary of our Erate involvement since 2001. A sample of a completed Item 21 Attachment from an RFP last year has been included in the Appendices section of our response. ABS subscribes to a service named Erate Manager that tracks each request start to finish through the Erate process, if additional reports would be needed, we can certainly pull them from that tool given additional criteria requested.
2.10	Does your solution include any reports regarding SPIN number and SPI invoicing? Please explain.	Y	Due to our LONGSTANDING history and experience in the Erate program, ABS has encountered just about every billing mechanism known to a Category 2 provider. Please see the Appendices for an example of both a SPI and BEAR form, both of which include our SPIN number.

	Warranty, Service & Maint.	Cisco Y/N	Cisco Notes	Meraki Y/N	Meraki Notes	Aerohive Y/N	Aerohive Notes
3.1	Does your solution include warranty and software updates? If so, please describe any fees?	Y	Manufacturer warranties are available with all Cisco equipment, with varying terms based on the product. Software Updates are also available depending on the part number ordered and if Smartnet (Cisco Maintenance) is in place on the item. Cisco warranties on all items can be found by entering the part number into Cisco's Warranty Finder site: http://www.cisco-servicefinder.com/WarrantyFinder.aspx	Y	All Meraki hardware has lifetime warranty (except for outdoor access points and SFPs which carry a one year hardware warranty). For software updates all Meraki hardware must have a valid Meraki dashboard license.	Y	The Aerohive solution includes a limited lifetime warranty and support plans are offered that address hardware replacement and software updates. Fees are addressed in the attached pricing matrix.
3.2	During the warranty period, will your firm replace or repair failed hardware at no additional cost to an authorized user? Please explain.	Y	ABS will work with the end customer to replace the hardware itself at no additional cost to the customer assuming it falls within the warranty period or the extended maintenance contract (SmartNet). Labor to physically replace or configure the equipment can be provided; however, it would be billed at the rates listed in Appendix C.	Y	All Meraki hardware has lifetime warranty and will be replaced advanced next business day in the event of a failure (except for outdoor access points and SFPs which carry a one year hardware warranty). Labor to physically replace or configure the equipment can be provided; however, it would be billed at the rates listed in Appendix C.	Y	Yes, during the warranty. After that time, as long as the customer has paid for support then the appropriate maintenance plan will cover hardware replace and software upgrades for the products purchased. Labor to physically replace or configure the equipment can be provided; however, it would be billed at the rates listed in Appendix C.
3.3	Will your warranty replacement hardware and system software be equal to or better than, and compatible with, the hardware and system software being replaced? Please explain.	Y	The warranty replacement hardware will be of a like model being replaced.	Y	In the event of a warranty replacement Meraki will provide a like model replacement. If the product is discontinued and is not available for replacement or repair of an in-warranty return, Meraki will replace the discontinued product with functionally equivalent hardware and transfer the remaining license term from the replaced product to the replacement hardware.	Y	Hardware and software replacements are for like kind and quality of the device originally purchased.
3.4	Will your replacement hardware/system software/parts assume the warranty coverage terms of the replaced hardware and system software? Please explain.	Y	Many of the Cisco items included in this solution include a lifetime warranty. For those items, the warranty end date is not dependent on when the items has shipped, but rather when the End of Life of that product is announced by Cisco. Therefore the warranty is unaffected by replacement components. For those items that have a warranty that ends within a set time after the date of purchase, yes the replacement component would assume the same warranty timeline as the item it replaced.	Y	All Meraki replacement hardware will assume the same warranty coverage as the hardware being replaced.	Y	Any hardware that has active support will be covered under the terms of the support contract.
3.5	Will your firm honor all warranties extending beyond the expiration or cancellation of any resulting contract as if the contract were still in effect on all hardware, replacement hardware and system software? Please explain.	Y	Warranties are offered directly from the manufacturer regardless of vendor or contract that the product was purchased through. Smartnet is a "product" provided by Cisco that extends it into additional years and higher levels of service. This can be renewed at a cost each year or in multi-year renewals.	Y	All Meraki hardware has lifetime warranty (except for outdoor access points and SFPs which carry a one year hardware warranty). This warranty will stay in affect with the end-user on record for the life of the product.	Y	Any hardware that has active support will be covered under the terms of the support contract.

3.6	Will your firm use service technicians who have and maintain current industry-required certifications? Please provide details.	Y	This is a portion of our offering that sets ABS apart. Our technical staff has numerous CCIE engineers, and well as several others that maintain industry certifications. Please see the chart provided in Section H .3 Project Team for a full listing of current certification followed by the resumes of some of our key individuals in different roles. ABS has an impressive record in installing like deployments for like customers as evidenced by our references portion of our response.	Y	This is a portion of our offering that sets ABS apart. Our technical staff has numerous CCIE engineers, and well as several others that maintain industry certifications. Please see the chart provided in Section H .3 Project Team for a full listing of current certification followed by the resumes of some of our key individuals in different roles. ABS has an impressive record in installing like deployments for like customers as evidenced by our references portion of our response.	Y	This is a portion of our offering that sets ABS apart. Our technical staff has numerous CCIE engineers, and well as several others that maintain industry certifications. Please see the chart provided in Section H .3 Project Team for a full listing of current certification followed by the resumes of some of our key individuals in different roles. ABS has an impressive record in installing like deployments for like customers as evidenced by our references portion of our response.
3.7	Are all service representatives and technicians providing telephone support to your customers located in the continental United States or are any of them outsourced?	Y/N	ABS personnel are all located in the continental United States. Our headquarters in Virginia Beach, VA is the location of our Customer Support team and our engineers all reside in the state as well. Cisco does have SmartNet maintenance contracts that give end-customers entitlement to contact the manufacturer directly. Cisco support representatives are not all within the continental United States.	Y/N	ABS personnel are all located in the continental United States. Our headquarters in Virginia Beach, VA is the location of our Customer Support team and our engineers all reside in the state as well. Cisco Meraki provides end-customers entitlement to contact the manufacturer directly. Cisco Meraki support representatives are not all within the continental United States.	Y/N	ABS personnel are all located in the continental United States. Our headquarters in Virginia Beach, VA is the location of our Customer Support team and our engineers all reside in the state as well. As a global company, Aerohive maintains a "follow the sun" methodology for customer support and has customer support centers around the globe.
3.8	If requested by an authorized user, will your organization provide loaner equipment if the inop equipment will be out of operation for more than 24 hours? Please explain.	Y	ABS does not maintain a warehouse of spare inventory; however, if the equipment is immediately available to ABS, we make all effort to provide loaner equipment during the outage. We also have a full time position for our maintained manager that is available to open cases and work with the manufacturers to get the replacement equipment expedited if supporting warranty and/or maintenance contracts are in place.	Y	ABS does not maintain a warehouse of spare inventory; however, if the equipment is immediately available to ABS, we make all effort to provide loaner equipment during the outage. All Meraki hardware has lifetime warranty and will be replaced advanced next business day in the event of a failure (except for outdoor access points and SFPs which carry a one year hardware warranty).	Y	ABS does not maintain a warehouse of spare inventory; however, if the equipment is immediately available to ABS, we make all effort to provide loaner equipment during the outage. We also have a full time position for our maintained manager that is available to open cases and work with the manufacturers to get the replacement equipment expedited if supporting warranty and/or maintenance contracts are in place.
3.9	Does your solution include a list of counties in Virginia where your organization is able to provide a 2 hour on-site response time to facilitate quick response to significant network outages that require on-site support? Please explain.	Y	All counties can be reached by an ABS office in the two hour window. ABS has three strategic locations throughout the state, Virginia Beach, Richmond and Roanoke which are all staffed with teams of account managers and technical resources. This allows us to reach any part of the state in the two hour timeframe should on-site support be required.	Y	All counties can be reached by an ABS office in the two hour window. ABS has three strategic locations throughout the state, Virginia Beach, Richmond and Roanoke which are all staffed with teams of account managers and technical resources. This allows us to reach any part of the state in the two hour timeframe should on-site support be required.	Y	All counties can be reached by an ABS office in the two hour window. ABS has three strategic locations throughout the state, Virginia Beach, Richmond and Roanoke which are all staffed with teams of account managers and technical resources. This allows us to reach any part of the state in the two hour timeframe should on-site support be required.

	Design, Plan, Install, and Configuration	Y/N	Notes
4.1	Can your organization work around various school schedules to avoid impacting classroom or busy office times? Please explain.	Y	ABS has worked with schools in the past and frequently works non-standard hours to minimize classroom disruption.
4.2	Can your organization commit to 8 hour work days starting when school lets out but not charging OT even if that meant working from approximately 3pm to 11pm? Please explain.	Y	ABS has worked with schools in the past and shifted work day hours to mitigate classroom disruption while also avoiding overtime charges.
4.3	Does your organization provide field technicians to perform installation services? Please list how many field technicians support installations for your service areas.	Y	ABS has three regional offices in Virginia (Richmond, Roanoke, & Virginia Beach). Each office has field technicians available for installation. In total, there are currently approximately 33 available technicians available for onsite implementations. ABS is also in the process of adding to our technical team.
4.4	Can you explain how your organization provides technical support for its current customers? Please explain.	Y	ABS provides technical "support" in a number of ways beginning with the design process. ABS has full time dedicated Solutions Architect resources that are some of the best IT minds in the state. Those resources sit with the clients to design out solutions based on the identified needs and budget available. The next step in the technical support process kicks off with our project management team who coordinate the implementation resources to configure and install the solutions designed. The last technical support phase is also the ongoing one. ABS fields emails and phone calls using a ticketing system to manage customer technical support requests. ABS has a customer support department with industry certified technicians available for assistance 24/7.
4.5	Does your solution include documentation given to customers that includes all installed equipment, part numbers, quantities, serial numbers, and equipment naming? Please explain.	Y	As previously mentioned, one of ABS's strengths is our impeccable documentation. During the project, low level design workbooks are completed for the implementation. Upon successful cutover, as built documentation is created including installed equipment, configurations, part numbers, quantities, serial numbers, and device naming.
4.6	Does your solution include power-on system and functionality tests for all hardware installed? Please explain.	Y	ABS works with the customer during a project to develop a test plan; at a minimum all equipment is powered-on for boot sequence testing and functionality is tested in accordance with the test plan developed in part with the customer to ensure all critical functions are tested.
4.7	Does your solution provide the necessary training on installed hardware? Please explain.	Y	Training can be provided in a variety of means for installed hardware. ABS has traditionally employed post cutover training for daily management/maintenance of the hardware, some basic troubleshooting details, 'shadowing' the installer to better learn what is being done during the installation. ABS is also a reseller of learning credits that can be purchased for formal training from companies like Global Knowledge and Firefly.
4.8	Does your solution include in house resources that can analyze an existing school's network in order to plan, design and configure a high-density, reliable wireless and wired network? Please explain.	Y	ABS performs network audits and assessments and can analyze and make recommendations for a design to support a high density user base. This is part of our project quoting process to ensure that the client standards are established and that the solution meeting their needs.
4.9	Does your solution include personnel profiles for the professional services personnel that will be assigned to this contract? Please explain.	Y	These are included in the response in Section H. 3.

4.10	Does your solution include detailed methods/practices for designing/installing/validating high-capacity wireless networks? Please explain.	Y	ABS follows industry best practice for designing, installing and validating all designs we are involved in. The approach is custom to each client and is dependent on our historical knowledge of the environment, construction material factors, availability for walk through, availability of floor plans, etc. The installation and the quality control (validation) closely follow our project management procedures outlined in Section H.2.
4.11	Does your solution include technicians that can physically mount and install network hardware, including access points and Ethernet switches? Please explain.	Y	ABS employs field technicians to fully handle an implementation. An internal cabling department allows for addressing any cabling necessities as well as mounting and installing switches and access points; installation may also be performed by field implementation technicians depending on the customer needs.
4.12	Does your solution include technicians that can ensure that the latest firmware is installed in each wireless access point and switch? Please explain.	Y	Implementation engineers ensure all hardware has current software when being deployed. Once deployed, a managed service agreement with ABS will ensure the equipment is kept up to date post implementation.
4.13	Does your solution include technicians that can configure network management consoles to meet best practices that may be defined by a local school district policy? Please explain.	Y	ABS technicians are familiar with, and capable of, installing and configuring network management consoles. Software typically used for this is Cisco Prime, or the hosted Meraki and Aerohive platforms.
4.14	Does your solution include technicians that can maximize the use of available spectrum to minimize co-channel interference? Please explain.	Y	ABS designs and implements wireless technology with careful consideration of channel usage and access point placement to mitigate interference. Typically a survey is performed prior to deployment/design to determine any areas of concern for interference.
4.15	Does your solution include technicians that can test access from each AP and provide throughput report for each AP? Please explain.	Y	ABS technicians can test for this and provide results of the test.
4.16	Does your solution include technicians that can configure and test the authorization of clients, which relies on MS Active Directory? Please explain.	N	Technicians can configure and test the Cisco/Meraki/Aerohive hardware/software for authorization and authentication of clients, and can configure the integration with Microsoft Active Directory; however, ABS technicians will not directly manage or configure the Microsoft software.
4.17	Does your solution include technicians that can evaluate existing network infrastructure and develop a design plan to meet network coverage and performance requirements? Please explain.	Y	ABS uses various tools to perform network audits to determine where there are issues or concerns, which in turn, are used for design sessions to create a solution to resolve these performance issues.
4.18	Does your solution include technicians that can develop site-specific configuration recommendations including those for security and authentication? Please explain.	Y	ABS technicians are familiar with the solutions and can make design recommendations during the course of the project for the hardware/software being deployed, including the security and authentication aspects of the solutions.
4.19	Does your solution include technicians that can Implement a design plan including configuration recommendations? Please explain.	Y	ABS technicians will work with the customer to develop a design for the solution; during the course of these design sessions, ABS will work with the customer to incorporate any configuration recommendations from the customer, as well as to make recommendations that would enhance the solution.
4.20	Does your solution include technicians that can test/validate that a hardware deployment meets network coverage and performance requirements? Please explain.	Y	ABS has various tools that the technicians use for both coverage analysis and performance requirements.

	Wireless Hardware	Cisco Y/N	Cisco Notes	Meraki Y/N	Meraki Notes	Aerohive Y/N	Aerohive Notes
5.1	Does your solution include wireless hardware that is compliant with IEEE 802.11? Please explain.	Y	Including the access points in Appendix C, all other Cisco access points are 802.11 compliant.	Y	Meraki follows all wireless IEEE standards. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash_eet_mr.pdf	Y	All Aerohive APs are IEEE 802.11 compliant.
5.2	Does your solution's wireless hardware provide IEEE 802.11ac support as well as backward compatibility with IEEE 802.11b/g/n in 2.4GHz band? Please explain.	Y	Including the access points in Appendix C, many other Cisco access points have this feature	Y	Meraki follows all wireless IEEE standards. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash_eet_mr.pdf	Y	Aerohive provides a full line of both indoor and outdoor IEEE 802.11ac APs. These APs are dual radio 2.4GHz and 5GHz that support IEEE 802.11b/g/n on the 2.4GHz radio.
5.3	Does your solution include wireless hardware that contains at least one 1000 Base-T Ethernet port? Please explain.	Y	Including the access points in Appendix C, many other Cisco access points have 1000 Base-T ports	Y	All current Meraki access points have at least one 1000 Base-T Ethernet port. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash_eet_mr.pdf	Y	All Aerohive APs have either one or two 1000 Base-T Ethernet interfaces.
5.4	Does your solution include a warranty? If so, how long and is there an additional charge?	Y	Cisco access points include a limited lifetime warranty. Wireless controllers include a warranty for 3 years parts coverage, 10 day AR, and a 90-day software warranty	Y	All Meraki hardware has lifetime warranty (except for outdoor access points and SFPs which carry a one year hardware warranty).	Y	All Aerohive APs are backed by a limited lifetime hardware warranty. Any antenna, power supply, power injector, or mounting kit has a one (1) year warranty. Aerohive has additional support plans that cover hardware and software maintenance available at an additional charge. Maintenance plans are available in 1,3 and 5 year increments.
5.5	Has your warranty solution been vetted by the Schools & Libraries Division (SLD)?	Y	Switching, Wireless, & Cabling components and their warranties are 100% eligible and have been approved in previous years for full funding. Additional items, depending on their role in the network, will have varying levels of eligibility.	Y	Meraki solutions have been used by SLDs throughout the United States for years.	Y	Y, we have had a series of meetings and discussions having our hardware, software & warranty service vetted by USAC-SLD
5.6	Does your solution include firmware updates quoted on an annual basis as required by E-Rate rules? Please explain.	Y	Firmware updates are part of the services covered under Cisco Smartnet. As long as an item is covered under smartnet, it will be eligible for the firmware updates.	Y	All Meraki software and firmware updates are scheduled in the Meraki cloud dashboard. When new firmware and security signature updates are delivered seamlessly, over the web.	Y	Aerohive offers 1, 3, or 5 year support plans. Firmware updates are provided based on the support plan that is purchased.
5.7	Has your firmware solution been vetted by the SLD?	Y	Wireless components and their integrated firmware from the manufacturer are 100% eligible and have been approved in previous years for full funding. Additional items, depending on their role in the network, will have varying levels of eligibility.	Y	Meraki solutions have been used by SLDs throughout the United States for years.	Y	Y, we have had a series of meetings and discussions having our hardware, software & warranty service vetted by USAC-SLD

5.8	Does your solution include copies of all warranties for the wireless hardware? Please explain.	Y	The Cisco Access Points carry a lifetime warranty. To find additional information on Cisco Warranties, please see their warranty finder website: http://www.cisco-servicefinder.com/WarrantyFinder.aspx	Y	All Meraki hardware has lifetime warranty (except for outdoor access points and SFPs which carry a one year hardware warranty). This is documented in the Meraki datasheets for each appropriate hardware.	Y	The Aerohive Product Warranty can be found at http://media.boundless.aerohive.com/documents/Aerohive-Datasheet-Hivecare-Product_Warranty.pdf
5.9	Does your solution include general descriptions and use cases of the wireless hardware being proposed for use in school buildings? Please explain.	Y	Cisco has documentation available for use cases of the proposed solutions in schools. ABS designs and implements solutions with this equipment regularly for schools to complete various business objectives, typically with some intention on improving SOL testing capabilities with a high density wireless coverage area.	Y	Cisco has documentation available for use cases for the Cisco Meraki solution.	Y	Aerohive has published the Aerohive K-12 Education Deployment Guide which is a 4-part series of guides explaining how to Plan, Configure, Install and Maintain Aerohive products within common K-12 education environments. This guide can be downloaded at http://www.aerohive.com/e-rate/#download
5.1	Does your solution include descriptions as to how the wireless hardware is ideally managed, including RF spectrum, client authentication, roaming, and integration into a broader management framework? Please explain.	Y	The Wireless LAN Controller manages all RF Spectrum via Cisco CleanAir technology. It also uses RRM (Radio Resource Manager) to manage power levels and channel settings for all access points. Client authentication can be handled on the AP, the Controller or a 3rd party source such as a RADIUS server for 802.1x authentication. Roaming is handled by the relationship between the AP and the controller. The solution can be managed by a Cisco Prime Infrastructure management system to visually see floor plans and client placement.	Y	All hardware is managed via Graphical User Interface that resides in the cloud through web browser. Meraki has a dedicated radio for continuous monitoring in their access points that maximizes and optimizes performance by measuring signal strengths, throughput, signals from non-Meraki APS, and non-WiFi interference. Due to the centralized management of the cloud, this allows seamless mobility to roam within campus environments. The centralized management allows for system wide optimization. Client authentication can be done via Meraki Authentication, pre-shared keys or even Active Directory RADIUS authentication. The system is extremely flexible for whatever the need might be.	Y	Management of an Aerohive wireless system is offered as either a hosted service running on Aerohive's Cloud Services Platform, or as an on-premises solution running on a single virtual machine depending on the preference of the customer. Aerohive APs use the Aerohive Channel Selection Protocol (ACSP) to automatically negotiate the optimal channels and Tx power levels to use for efficient RF spectrum management. Client authentication is up to the customer's discretion, but Aerohive APs support open authentication, WEP, WPA, WPA2, 802.1X, PSK and Aerohive's Private PSK (PPSK). HiveManager can integrate with external syslog and SNMP servers, as well as utilize API integrations within a broader management framework.
5.11	Does your solution include descriptions of your controller architecture including the requirement for physical hardware, appliances, virtual machines or cloud based designs? Please explain.	Y	Cisco provides documentation based on the specific product chosen to scale and support features for the solution that details the controller requirements. Cisco Wireless LAN Controllers may be physical appliances or virtual machines, depending on technical and customer requirements.	Y	All Meraki hardware is managed from our cloud dashboard. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash_eet_cloud_management.pdf	N/A	Aerohive is a controller-less architecture. The only components required in a Aerohive solution are the APs and HiveManager. HiveManager is offered as either a hosted service running on Aerohive's Cloud Services Platform, or as an on-premises solution running on a single virtual machine. Specifications for the hardware running the VM can be found at http://www.aerohive.com/products/network-management

5.12	Does your solution include a description as to the compatibility of existing wireless environment management platforms equivalent to Aerohive, Aruba, Avaya, Cisco, Extreme Networks, Hewlett Packard, Meraki, Meru, Ruckus and Xirrus?. Please explain.	Y	While specific integration guides do not exist for all of these platforms, Cisco follows all standards and protocols and is an industry leader in the wireless world. Anything supporting 802.11 standards (amongst others) will easily be supported on Cisco's products, but cannot necessarily be managed or integrated. Cross-compatibility between different manufacturers in a single building, will likely result in clients having to re-authenticate between platforms and possibly losing connectivity during the process.	Y	Cisco Meraki uses standard protocols for wireless. The specific compatibility between manufacturers does not fully support all features inherent to the Meraki products nor can other platforms be managed by the Meraki cloud management system. Cross-compatibility between different manufacturers in a single building, will likely result in clients having to re-authenticate between platforms and possibly losing connectivity during the process.	Y	Aerohive's wireless network management system, HiveManager, is able to manage Aerohive APs.
5.13	Does your solution include a description of the traffic flows between clients, access points, controllers and the Internet? Please explain.	Y	Cisco offers flexible options on how traffic can flow for a client. All or part of the traffic can flow through a controller to help segregate traffic or even manage it and redistribute to other parts of the network (such as the DMZ to secure guest traffic). All or part of the traffic can also drop off locally at the AP to help reduce traffic across the WAN. Depending on the situation, Cisco has offerings and features that are best suited for what is needed.	Y	Meraki's out-of-band control plane separates network management data from user data. Management data (e.g., con duration, statistics, monitoring, etc.) flows from Meraki devices (wireless access points, switches, and security appliances) to Meraki's cloud over a secure Internet connection. User data (web browsing, internal applications, etc.) does not ow through the cloud, instead owing directly to its destination on the LAN or across the WAN. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash eet_cloud_management.pdf	Y	Aerohive uses a fully distributed controller-less architecture where all data plane traffic is processed and locally forwarded by each AP, creating a smarter, faster, and more dynamic wireless network. The control plane is where the intelligent decision making for functionality occurs, and Aerohive utilizes a distributed control plane through a suite of protocols known as Cooperative Control. This allows for dynamic RF negotiations, L2/L3 roaming, identity-based tunnels, and determines how traffic should be forwarded - all accomplished without a controller. The management plane is where configuration, updating, and monitoring occurs. Aerohive uses HiveManager as a network management system while letting the APs perform control and data forwarding functions among themselves. Communication between the APs and HiveManager uses CAPWAP (UDP port 12222) and can also run on TCP 443. Application visibility data and file transfers are all done over TCP port 443.
5.14	Does your solution include a detailed description of the items and services to be covered under maintenance? Please explain and provide your solution's definition of maintenance.	Y	Cisco's maintenance is called Smartnet. What it includes is dependent on the level of coverage purchased. Similar to the Warranty Finder tool earlier mentioned, Cisco has a Service Finder tool that allows you to put in the product number and it identifies what the maintenance options are and what each includes. http://www.cisco-servicefinder.com/	Y	The yearly license includes items typically considered maintenance such as Technical support, hardware replacement, and software updates. All Meraki hardware has lifetime warranty (except for outdoor access points and SFPs which carry a one year hardware warranty). This is documented in the Meraki datasheets for each appropriate hardware.	Y	Aerohive maintenance includes phone access to Aerohive Technical Support Engineers, access to the Aerohive Support Portal for manuals, technical documents, and software, RMA for faulty hardware, and Software updates and upgrades. There are different levels of Aerohive maintenance and the specifics of each HiveCare Program can be found at https://support.aerohive.com/login

5.15	Can you please provide a description of how connectivity is affected by temporary loss of connection to the wireless management system or controller? Please explain.	Y	All systems are capable of operating fully during a loss of connectivity to the management system. Separation of the control and data planes allows local authentication and local switching, as apposed to local mode, which routes all traffic through a controller. Controller based systems utilize technologies such as Flexconnect to achieve local switching and authentication. Cloud-based systems perform local switching by default. Fault tolerance for security and authentication can be configured into any system we deploy.	Y	<p>Because of Meraki's out of band architecture, most end users are not affected if Meraki wireless APs, switches, or security appliances cannot communicate with Meraki's cloud services (e.g., because of a temporary WAN failure):</p> <ul style="list-style-type: none"> • Users can access the local network (printers, le shares, etc.) • If WAN connectivity is available, users can access the Internet • Network policies (rewall rules, QoS, etc.) continue to be enforced • Users can authenticate via 802.1X/RADIUS and can roam wirelessly between access points • Users can initiate and renew DHCP leases • Established VPN tunnels continue to operate • Local con guration tools are available (e.g., device IP con guration) <p>More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash eet_cloud_management.pdf</p>	Y	Aerohive uses a fully distributed controller-less architecture which provides very high redundancy and no single point of failure. In Aerohive's architecture the network intelligence and data forwarding protocols that are traditionally found in wireless LAN controllers are pushed to the APs at the edge of the network. User connectivity is not impacted in any way if the APs cannot communicate with Aerohive's wireless management system called HiveManager. HiveManager is strictly used for Management Plane traffic such as configuration, updates, and monitoring.
5.16	Does your solution provide for multiple options of wireless access point models which may include at least one standard indoor model, one high density indoor model and one long range outdoor model? Please explain.	Y	While the access points listed in Appendix C are indoor devices, Cisco offers many other devices that meet these requirements	Y	Meraki has different access point models that can all be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash eet_mr.pdf	Y	The Aerohive AP230 is a 3x3:3 AP that supports 802.11a/n/ac on the 5GHz radio and 802.11b/g/n on the 2.4GHz radio for standard indoor usage. The Aerohive AP250 is a 3x3:3 Wave 2 802.11ac AP with MU-MIMO capability and uses software configurable radios allowing either two concurrent 5GHz 802.11a/n/ac radios (for high density/high capacity deployments) or concurrent 802.11a/n/ac and 802.11b/g/n radios. The Aerohive AP1130 is a 2x2:2 802.11ac outdoor AP.
5.17	Does your solution include wireless access points that are powered by IEEE 802.11af POE or IEEE 802.11at POE+? Please explain.	Y	The access points in Appendix C support both 802.11af POE and 802.11at POE+. There are also many other Cisco options that support one of or both of these features	Y	Meraki access points can be powered by POE. Each model has their own power requirements that can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash eet_mr.pdf	Y	All Aerohive 802.11ac indoor APs have full wireless functionality with 802.3af power. Aerohive's outdoor AP, the AP1130, can be powered via IEEE 802.3at PoE+.

5.18	Does your solution include wireless access points that are able to support dual radio, 2.4GHz and 5GHz bands, simultaneously? Please explain.	Y	The access points in Appendix C support this feature, and there are also many other Cisco options that support this as well.	Y	Meraki access points provide both a 2.4 GHz and 5 GHz radio that work to serve clients simultaneously. Meraki access points also have a dedicated radio to provide full-time scanning, rogue AP containment, and automatic RF optimization. With Air Marshal, it is possible to set up a real-time wireless intrusion detection and prevention system (WIDS/WIPS) with user-defined threat remediation policies and intrusion alarms, enabling secure wireless environments without complex setup or systems integration. Auto RF eliminates the need for manual RF configuration by scanning the environment for utilization, interference, and other metrics, and computing the optimal channel and power settings for every AP in the network. Meraki WLANs are fully HIPAA and PCI compliant. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_data_sheet_mr.pdf	Y	All Aerohive 802.11ac APs have dual radios that provide concurrent 2.4GHz and 5GHz connections.
5.19	Does your solution include wireless access points that are able to support at least three spatial streams in the 5GHz band? Please explain.	Y	While the Aironet 1830 Series listed in Appendix C does not at least 3 spatial streams, the 1850 series and many other Cisco access points have this feature.	Y	Meraki's MR26 and MR34 models support 3x3 MIMO with 3 streams.	Y	Aerohive has multiple APs that support 3 spatial streams. The AP230 is 3x3:3 MIMO capable AP and the AP250 is a 3x3:3 MU-MIMO capable AP.
5.2	Does your solution include wireless access points that are able to support multiple SSIDs and per-SSID access policy? Please explain.	Y	Many of the Cisco products allow you to associate up to 16 SSIDs, or WLANs, with each access point group and assign specific access points to each group. Each access point advertises only the enabled WLANs that belong to its access point group. Each SSID or WLAN can be configured with any combination of access policy using layer 2 and/or layer 3 security.	Y	Meraki access points can support up to 15 SSIDs and very granular per-SSID authentication, firewall, and traffic shaping policies. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_data_sheet_mr.pdf	Y	Aerohive allows for the configuration of multiple SSIDs, each of which may have their own access policy. Granular user profile-based management defines QoS, mobility policies, and security policies for each user that enters the network.
5.21	Does your solution include wireless access points that are able to support rate limiting and traffic shaping of guest clients? Please explain.	Y	On many Cisco wireless products the wireless rate limits can be defined on both upstream and downstream traffic. Rate limits can be defined per SSID and/or specified as a maximum rate limit for all clients. These rate limits can be individually configured.	Y	Meraki access points can provide rate limiting and traffic shaping per-client, per application/s, per username, and more methods. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_data_sheet_mr.pdf	Y	The Aerohive solution includes traffic policing and rate limiting for all user profiles, including guests. Rate limiting can be done per user, or per group of users connected to an AP. Aerohive also supports integrated application visibility and control (AVC) via a deep packet inspection engine on each AP so that administrators can either block or limit bandwidth-intensive or peer-to-peer applications per user group.

5.22	Does your solution include wireless access points that are able to support multiple VLANs with assignable QoS? Please explain.	Y	The controllers in Appendix C support this feature, and there are also other Cisco options that support this as well.	Y	Meraki access points can provide VLAN assignments based on SSID, user, radius attribute, device type, and more with assignable QoS. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash eet_mr.pdf	Y	Aerohive APs support multiple VLANs with assignable QoS. VLAN and QoS assignment is done based on a devices user profile. For traffic traversing its WiFi interfaces, the AP maps Aerohive classes to IEEE 802.11e traffic classes as defined in the wireless frame header. For traffic traversing its Ethernet interfaces, the AP maps Aerohive classes to 802.1p traffic classes as defined in the L2 frame header or to DSCP priorities as defined in the L3 packet header.
5.23	Does your solution include wireless access points that are able to support Layer 2/3 roaming/mobility without performance degradation or re-authentication required by clients (<i>roaming within a single building</i>)? Please explain.	Y	The controllers in Appendix C support this feature, and there are also other Cisco options that support this as well.	Y	Meraki access points provide both L2 and L3 roaming capabilities. More can be seen here: https://documentation.meraki.com/MR/WiFi_Basics_and_Best_Practices/Seamless_Roaming_with_MR_Access_Points	Y	Aerohive supports L2/L3 roaming by wireless clients. If a wireless client roams across L3 boundaries, the client traffic must be tunneled back to the client's original subnet, which allows the client to preserve its IP address settings and maintain application sessions. Aerohive uses a protocol called Dynamic Network Extension Protocol (DNXP) that tunnels user traffic between Aerohive APs at the edge of the network instead of tunneling all the user traffic back to a WLAN controller. DNXP is used to maintain sessions when clients roam across a L3 boundary, with hive members in the 2nd subnet using GRE tunnels to send traffic from the roaming clients back to other hive members in the first subnet and to receive traffic in reply.

5.24	Can you describe of how your solution provides roaming within a school, assuming it is on one subnet and then how that differs if multiple subnets are used? Please explain.	Y	The Cisco UWN solution supports seamless client roaming across lightweight access points managed by the same controller, between controllers in the same mobility group on the same subnet, and across controllers in the same mobility group on different subnets.	Y	Meraki access points provide both L2 and L3 roaming capabilities. More can be seen here: https://documentation.meraki.com/MR/WiFi_Basics_and_Best_Practices/Seamless_Roaming_with_MR_Access_Points	Y	Aerohive APs utilize a suite of protocols known as Cooperative Control to support control functions such as L2/L3 roaming, radio resource management, client load balancing, and wireless mesh networking, eliminating the need for a centralized controller. AMRP (Aerohive Mobility Routing Protocol) allows for fast/secure L2 roaming by providing Aerohive APs the ability to perform automatic neighbor discovery, MAC-layer best-path forwarding through a wireless mesh, dynamic and stateful rerouting of traffic in the event of a failure, and predictive identity information and key distribution to neighboring APs. This provides wireless clients with fast/secure roaming capabilities between APs while maintaining their authentication state, encryption keys, firewall sessions, and QoS enforcement settings. Dynamic Network Extension Protocol (DNXP) is a component of AMRP that defines support for L3 roaming. Hive members in different subnets use DNXP to create tunnels on an as needed basis between themselves, giving clients the ability to seamlessly roam between subnets, while preserving their IP address settings, authentication state, encryption keys, firewall sessions, and QoS enforcement settings. Note that tunnels are not required for L2 roams.
5.25	Can your solution centrally manage all access points from one management console/interface? Please explain.	Y	The access points are managed from the wireless LAN controller used in the solutions	Y	Meraki devices can be managed anywhere around the globe in one single account and pane of glass. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash eet_cloud_management.pdf	Y	Aerohive utilizes a wireless network management system (NMS) called HiveManager that is capable of managing thousands of access points. HiveManager can either be hosted in Aerohive's Cloud Services Platform, which is a globally distributed, cloud-based infrastructure or hosted on-premises as a single virtual machine.
5.26	Does your solution include mounting options for mounting access points on walls and ceilings? Please explain.	Y	There are mounting brackets available for Cisco access points	Y	Meraki access points all include mounting brackets and hardware that can be used to mount in a number of scenarios. An example can be seen here: https://docs.meraki.com/display/MR/MR34+Installation+Guide	Y	Aerohive APs are designed to be ceiling or wall mounted. Ceiling tile flush 15/16" is included as part of the AP, wall mount is included as part of the AP, ceiling and wall mount locking accessories are included with the AP. Recessed ceiling tiles of 15/16", 3/8", and 9/16" are sold as accessories. Flush ceiling tiles of 3/8" and 9/16" are sold as accessories. Both Suspend mount and Plenum mount kits are sold as accessories.

	Switching Hardware	Cisco Y/N	Cisco Notes	Meraki Y/N	Meraki Notes	Aerohive Y/N	Aerohive Notes
6.1	Does your solution include Ethernet switches that are IEEE 802.3 compliant? Please explain.	Y	Including the switches in Appendix C, most Cisco switches are 802.3 compliant.	Y	Meraki has POE capable switches that provide both IEEE 802.3 af and at power. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash_eet_ms.pdf	Y	All Aerohive switches are IEEE 802.3 compliant.
6.2	Does your solution include a warranty on it's Ethernet switches? Please explain.	Y	Cisco includes an enhanced limited lifetime warranty (ELLW) on switches with hardware replacement on next business day and 90-day TAC support for the Access layer switching. Most Core switching models provide a 10 day replacement and 90 day TAV support. Cisco warranties on all items can be found by entering the part number into Cisco's Warranty Finder site: http://www.ciscoservicefinder.com/WarrantyFinder.aspx	Y	All Meraki hardware has lifetime warranty (except for outdoor access points and SFPs which carry a one year hardware warranty).	Y	All Aerohive switches are backed by a limited lifetime hardware warranty. Any antenna, power supply, power injector, or mounting kit has a one (1) year warranty.
6.3	Has your solution's Ethernet switch warranty been vetted by the SLD?	Y	In previous requests for existing clients, the SLD has considered the switching platforms recommended by ABS to be 100% eligible and have been approved by the SLD.	Y	Meraki solutions have been used by SLDs throughout the United States for years.	Y	Yes, Aerohive has had a series of meetings and discussions having the hardware, software & warranty service vetted by USAC-SLD. It has also been fully approved in previous Erate Requests.
6.4	Does your solution include firmware updates quoted on an annual basis as required by E-Rate rules? Please explain.	Y	Firmware updates are part of the services covered under Cisco Smartnet. As long as an item is covered under smartnet, it will be eligible for the firmware updates.	Y	All Meraki software and firmware updates are scheduled in the Meraki cloud dashboard. When new firmware and security signature updates are delivered seamlessly, over the web.	Y	Aerohive offers 1, 3, or 5 year support plans. Firmware updates are provided based on the support plan that is purchased.
6.5	Has your firmware solution been vetted by the SLD?	Y	Switching components and their integrated firmware from the manufacturer are 100% eligible and have been approved in previous years for full funding. Additional items, depending on their role in the network, will have varying levels of eligibility.	Y	Meraki solutions have been used by SLDs throughout the United States for years.	Y	Yes, we have had a series of meetings and discussions having our hardware, software & warranty service vetted by USAC-SLD

6.6	Does your solution include copies of all warranties for the Ethernet switches? Please explain.	Y	In lieu of printing out all of the different warranties for the different products, here are some links that describe the different warranty Levels: Cisco Warranty Finder http://www.cisco-servicefinder.com/WarrantyFinder.aspx Enhanced Limited Lifetime Warranty http://www.cisco.com/c/en/us/td/docs/general/warranty/EnhLmtdLf_78-19324-01.html Limited Lifetime Warranty http://www.cisco.com/c/en/us/td/docs/general/warranty/English/LH2DEN_.html Standard HW http://www.cisco.com/c/en/us/td/docs/general/warranty/English/901DEN_.html	Y	All Meraki hardware has lifetime warranty (except for outdoor access points and SFPs which carry a one year hardware warranty). This is documented in the Meraki datasheets for each appropriate hardware.	Y	The Aerohive Product Warranty can be found at http://media.boundless.aerohive.com/documents/Aerohive-Datasheet-Hivecare-Product_Warranty.pdf
6.7	Does your solution include a description of how Ethernet switches may be managed by a management console? Please explain.	Y	Cisco products use standard SNMP to allow for monitoring of their equipment from a variety of 3rd party products. Configuration management can be performed with both Cisco and non-Cisco products using graphical and command line interfaces.	Y	Meraki switches can be managed for the life of the product as long as there is a valid Meraki dashboard license for it.	Y	Aerohive switches can be managed and configured by HiveManager. The Aerohive K-12 Education Deployment Guide Part 3: Ethernet Switching, describes best practices for managing Aerohive switches from HiveManager.
6.8	Does your solution include Ethernet switches that support multiple VLANs? Please explain.	Y	Including the switches in Appendix C, most Cisco switches support multiple VLANs.	Y	Meraki switches support multiple VLANs. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash_eet_ms.pdf	Y	Aerohive switches support 4095 VLANs (255 concurrent active VLANs) and the IEEE 802.1Q VLAN tagging standard.
6.9	Does your solution include Ethernet switches that support IEEE 802.3at POE+? Please explain.	Y	Including the switches in Appendix C, many other Cisco switches can support 802.3at POE+.	Y	Meraki has POE capable switches that provide both IEEE 802.3af and 802.3at power. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash_eet_ms.pdf	Y	All Aerohive switches support 802.3at PoE+ power.
6.1	Does your solution include Ethernet switches that support at least 15Watts of POE per port, on 90% of the copper 1GbE ports simultaneously? Please explain.	Y	Although the switch in Appendix C does not, there are many other Cisco Ethernet switch models that meet these requirements.	Y	Meraki has POE capable switches that can provide 15Watts of POE per port. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash_eet_ms.pdf	Y	All Aerohive switches support 802.3af PoE power on all 1000 Base T ports.
6.11	Does your solution include Ethernet switches that contain a non-blocking switch backplane? Please explain.	N	Although the switch in Appendix C does not, Cisco's Nexus line of switches contains non-blocking switch backplane.	N	Meraki has switches capable of non-blocking switch backplane. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash_eet_ms.pdf	Y	All Aerohive switches have non-blocking switch backplanes. Aerohive offers 24 and 48 port switches with 4 SFP/SFP+ interfaces.
6.12	Does your solution include Ethernet switches that have SNMP management capabilities? Please explain.	Y	Including the switches in Appendix C, most Cisco switches support SNMP management.	Y	Meraki switches are capable of SNMP. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash_eet_ms.pdf	Y	The Aerohive SR2200 and SR2300 series switches have SNMP MIBs which include both switching and quality of service QoS MIBs.

6.13	Does your solution include Ethernet switches that have vendor-specific management capabilities? Please explain.	N	Cisco switches integrate tightly with Cisco Prime for monitoring and management; however, various other platforms and products may be used to provide management and monitoring capabilities to limited capacity. Cisco switches are standards based for SNMP and should be fully compatible with standards-based SNMP monitoring tools.	Y	Meraki switches are the industry's first line of fully capable and enterprise grade cloud managed switches. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash_eet_ms.pdf	Y	All Aerohive switches can be managed and configured by HiveManager. Aerohive switches can do Cooperative Application Visibility and Control (C-AVC) which provides monitoring of L7 application data for wired clients of Aerohive switches.
6.14	Does your solution include Layer 3 switching/routing support? Please explain.	Y	Including the Catalyst 3850 in Appendix C, Cisco offer many other Layer 3-capable switches.	Y	Meraki has switches capable of Layer 3 switching/routing. More can be seen here: https://meraki.cisco.com/lib/pdf/meraki_datash_eet_ms.pdf	Y	The Aerohive SR2200 and SR2300 series switches support L2 and L3 static routing.

Exhibit B

Pricing

**Exhibit B
Product Discounts**

ABS - Aerohive Pricing Discounts

Product	Category	Delivery Lead Time (In Days ARO)	Spend (Per order)	State Discount % (Off Publically Available Price List)	Academic Discount % (Off Publically Available Price List)
Switches		2-28 Days	\$0-\$50,000	45%	45%
		2-28 Days	\$50,001- \$100,000	45%	45%
		2-28 Days	\$100,001- \$200,000	45%	45%
		2-28 Days	\$200,001- \$300,000	47%	47%
		2-28 Days	\$300,001- \$500,000	47%	47%
		2-28 Days	\$500,001- Plus	47%	47%
Routers		2-28 Days	\$0-\$50,000	45%	45%
		2-28 Days	\$50,001- \$100,000	45%	45%
		2-28 Days	\$100,001- \$200,000	45%	45%
		2-28 Days	\$200,001- \$300,000	47%	47%
		2-28 Days	\$300,001- \$500,000	47%	47%
		2-28 Days	\$500,001- Plus	47%	47%
Security (Firewalls)		2-28 Days	\$0-\$50,000	45%	45%
		2-28 Days	\$50,001- \$100,000	45%	45%
		2-28 Days	\$100,001- \$200,000	45%	45%
		2-28 Days	\$200,001- \$300,000	47%	47%
		2-28 Days	\$300,001- \$500,000	47%	47%
		2-28 Days	\$500,001- Plus	47%	47%
Wireless		2-28 Days	\$0-\$50,000	45%	45%
		2-28 Days	\$50,001- \$100,000	45%	45%
		2-28 Days	\$100,001- \$200,000	45%	45%
		2-28 Days	\$200,001- \$300,000	47%	47%
		2-28 Days	\$300,001- \$500,000	47%	47%
		2-28 Days	\$500,001- Plus	47%	47%
Maintenance		5 Days	\$0-\$50,000	45%	45%
		5 Days	\$50,001- \$100,000	45%	45%
		5 Days	\$100,001- \$200,000	45%	45%
		5 Days	\$200,001- \$300,000	47%	47%
		5 Days	\$300,001- \$500,000	47%	47%
		5 Days	\$500,001- Plus	47%	47%
Non Erate Eligible Items		2-28 Days	\$0-\$50,000	45%	45%
		2-28 Days	\$50,001- \$100,000	45%	45%
		2-28 Days	\$100,001- \$200,000	45%	45%
		2-28 Days	\$200,001- \$300,000	47%	47%
		2-28 Days	\$300,001- \$500,000	47%	47%
		2-28 Days	\$500,001- Plus	47%	47%

ABS - Cisco Pricing Discounts

Product	Category	Delivery Lead Time (In Days ARO)	Spend (Per order)	State Discount % (Off Publically Available Price List)	Academic Discount % (Off Publically Available Price List)
Switches		2-28 Days	\$0-\$50,000	39%	48%
		2-28 Days	\$50,001- \$100,000	39%	48%

	2-28 Days	\$100,001- \$200,000	39%	48%
	2-28 Days	\$200,001- \$300,000	39%	48%
	2-28 Days	\$300,001- \$500,000	40%	50%
	2-28 Days	\$500,001- Plus	40%	50%
Routers	2-28 Days	\$0-\$50,000	39%	48%
	2-28 Days	\$50,001- \$100,000	39%	48%
	2-28 Days	\$100,001- \$200,000	39%	48%
	2-28 Days	\$200,001- \$300,000	39%	48%
	2-28 Days	\$300,001- \$500,000	40%	50%
	2-28 Days	\$500,001- Plus	40%	50%
Security (Firewalls)	2-28 Days	\$0-\$50,000	39%	48%
	2-28 Days	\$50,001- \$100,000	39%	48%
	2-28 Days	\$100,001- \$200,000	39%	48%
	2-28 Days	\$200,001- \$300,000	39%	48%
	2-28 Days	\$300,001- \$500,000	40%	50%
	2-28 Days	\$500,001- Plus	40%	50%
Wireless	2-28 Days	\$0-\$50,000	39%	48%
	2-28 Days	\$50,001- \$100,000	39%	48%
	2-28 Days	\$100,001- \$200,000	39%	48%
	2-28 Days	\$200,001- \$300,000	39%	48%
	2-28 Days	\$300,001- \$500,000	40%	50%
	2-28 Days	\$500,001- Plus	40%	50%
Maintenance	5 Days	\$0-\$50,000	12% - 20%	34%
	5 Days	\$50,001- \$100,000	12% - 20%	34%
	5 Days	\$100,001- \$200,000	12% - 20%	34%
	5 Days	\$200,001- \$300,000	12% - 20%	35%
	5 Days	\$300,001- \$500,000	12% - 20%	35%
	5 Days	\$500,001- Plus	12% - 20%	35%
Non Erate Eligible Items	2-28 Days	\$0-\$50,000	39%	39%
	2-28 Days	\$50,001- \$100,000	39%	39%
	2-28 Days	\$100,001- \$200,000	39%	39%
	2-28 Days	\$200,001- \$300,000	39%	39%
	2-28 Days	\$300,001- \$500,000	40%	40%
	2-28 Days	\$500,001- Plus	40%	40%

ABS - Meraki Pricing Discounts

Product	Category	Delivery Lead Time (In Days ARO)	Spend (Per order)	State Discount % (Off Publically Available Price List)	Academic Discount % (Off Publically Available Price List)
Switches		2-28 Days	\$0-\$50,000	39%	39%
		2-28 Days	\$50,001- \$100,000	39%	39%
		2-28 Days	\$100,001- \$200,000	39%	39%
		2-28 Days	\$200,001- \$300,000	39%	39%
		2-28 Days	\$300,001- \$500,000	40%	40%
		2-28 Days	\$500,001- Plus	40%	40%
Routers		2-28 Days	\$0-\$50,000	39%	39%
		2-28 Days	\$50,001- \$100,000	39%	39%
		2-28 Days	\$100,001- \$200,000	39%	39%
		2-28 Days	\$200,001- \$300,000	39%	39%
		2-28 Days	\$300,001- \$500,000	40%	40%
		2-28 Days	\$500,001- Plus	40%	40%

Security (Firewalls)	2-28 Days	\$0-\$50,000	39%	39%
	2-28 Days	\$50,001- \$100,000	39%	39%
	2-28 Days	\$100,001- \$200,000	39%	39%
	2-28 Days	\$200,001- \$300,000	39%	39%
	2-28 Days	\$300,001- \$500,000	40%	40%
	2-28 Days	\$500,001- Plus	40%	40%
Wireless	2-28 Days	\$0-\$50,000	39%	39%
	2-28 Days	\$50,001- \$100,000	39%	39%
	2-28 Days	\$100,001- \$200,000	39%	39%
	2-28 Days	\$200,001- \$300,000	39%	39%
	2-28 Days	\$300,001- \$500,000	40%	40%
	2-28 Days	\$500,001- Plus	40%	40%
Maintenance	5 Days	\$0-\$50,000	39%	39%
	5 Days	\$50,001- \$100,000	39%	39%
	5 Days	\$100,001- \$200,000	39%	39%
	5 Days	\$200,001- \$300,000	39%	39%
	5 Days	\$300,001- \$500,000	40%	40%
	5 Days	\$500,001- Plus	40%	40%
Non Erate Eligible Items	2-28 Days	\$0-\$50,000	39%	39%
	2-28 Days	\$50,001- \$100,000	39%	39%
	2-28 Days	\$100,001- \$200,000	39%	39%
	2-28 Days	\$200,001- \$300,000	39%	39%
	2-28 Days	\$300,001- \$500,000	40%	40%
	2-28 Days	\$500,001- Plus	40%	40%

Supporting Products

Mark up Structure (Maximum amount ABS will mark up product based on cost quoted to ABS)					
Product	Category	Delivery Lead Time (In Days ARO)	Spend (Per order)	State Markup % (Off cost quoted to ABS)	Academic Markup % (Off cost quoted to ABS)
APC		2-28 Days	Any amount	10%	10%
Liebert		2-28 Days	Any amount	10%	10%
Eaton		2-28 Days	Any amount	10%	10%

Manufacturer	Global Price Lists
Cisco (Requires Cisco CCO)	https://tools.cisco.com/lpc/currentPL_faces
Meraki	https://absnt-my.sharepoint.com/personal/helwig_abstechnology_com/_layouts/15/questaccess.aspx?questacesstoken=LAPOSddTTaFW4hbyOywuOerx6F21WzN7xLJ4cxyRuc8%3d&docid=0014371b750124aea925f43a2cf013b8f
Aerohive	https://absnt-my.sharepoint.com/personal/helwig_abstechnology_com/_layouts/15/questaccess.aspx?questacesstoken=1Yq7vtRrfUiFyHDmpc%2bYKYckFxtl%2bsVirGt%2btaWVPkA%3d&docid=09ea27cb7e0034e9a94d23bad5822397a
APC	Not currently available, will provide upon award of contract.
Liebert	https://absnt-my.sharepoint.com/personal/helwig_abstechnology_com/_layouts/15/questaccess.aspx?questacesstoken=4W8wXxkmMmMF03nl8iGcQzMQiywLNmKA5FDGcTsNPI%3d&docid=0fac837e4b35d48faaa6a5c41a1bd9919
Eaton	http://powerquality.eaton.com/USA/Default.asp?CX=3

ABS -Service Rates

Enterprise Networks <i>(Switching, Routing, Wireless, Network Security, Physical Security)</i>	Hourly Rate <i>(Normal business hours)</i>	Hourly Rate <i>(After Normal Business Hours)</i>
Customer Required CCIE	\$200.00	\$250.00
Engineering services <i>(Premium)</i> to perform Network architecture, analysis and design services	\$165.00	\$206.25
Engineering services <i>(Standard)</i> for installation, configuration, update & upgrade	\$150.00	\$187.50
Technical support services <i>(Premium)</i>	\$135.00	\$168.75
Training	\$125.00	\$156.25
Technical support & equipment repair services <i>(Standard)</i>	\$120.00	\$150.00
Installation of Access Points, IP Cameras	\$50.00	\$62.50

Collaboration	Hourly Rate <i>(Normal business hours)</i>	Hourly Rate <i>(After Normal Business Hours)</i>
Customer Required CCIE - Voice, VCS, Contact Center Scripting, Social Miner, Jabber Guest, TelePresence with TMS, TPS, Conductor, or CMR Hybrid	\$200.00	\$250.00
Engineering services for Presence, Advanced UC features, WebEx, TelePresence, Emergency Responder, Advanced Paging, Upgrades, Admin Training, UCCX Training, Expressway for architecture, analysis and design services.	\$165.00	\$206.25
Engineering services for Basic Call Control & Voicemail, Basic Paging, End User Training for installation, configuration, update and upgrade services.	\$150.00	\$187.50
Phone Installation	\$50.00	\$62.50

Project Management	Hourly Rate <i>(Normal business hours)</i>	Hourly Rate <i>(After Normal Business Hours)</i>
Senior Project Manager	\$125.00	\$156.25
Project Manager	\$110.00	\$137.50
Project Coordinator	\$75.00	\$93.75

ABS - Managed Internal Connections Network Services

Managed Services	Description
<p>Please provide a description of the managed internal connections network services, including the specific equipment supported; for example list the network equipment brands and product families that your organization manages.</p>	
<p>Please provide a description of your organization's network operations center, general location, staff size, hours of operation, and other characteristics necessary to differentiate your service from other K-12 managed internal connections network service providers.</p>	<p>MSA Services are available for all equipment listed on this proposal. ABS Technology offers its customers 3 levels of Managed Service Agreements (MSA). These differing levels allow our customers to choose a balance of cost and risk that is most appropriate for them. The levels are monitoring only, monitoring with response 8x5, and monitoring with response 24x7. Additionally our customers can always choose to engage on a Time and Material basis as well.</p>
<p>Please provide a copy of your organization's SLAs along with a schedule of prices based on a per-student pricing model.</p>	<p>ABS Technology has a fully staffed Customer Support (CS) organization that has a long history of supporting its customers, including K-12, internal connections. ABS can customize the support solution to the individual customer's needs to help balance cost and risk. CS can provide support via one of its levels of MSA coverage or via Time and Materials. Monitoring Only provides monitoring of all covered equipment 24x7. Any alerts, needs for maintenance (corrective or proactive), and recommendations are forwarded directly to the customer's IT staff. Weekly and monthly summary reports are also provided with this service.</p> <p>Monitoring with Response 8x5 provides everything that monitoring only includes and also includes the following. ABS will respond to alerts during normal business hours of 8x5. ABS will provide proactive maintenance to include minor updates. ABS will provide corrective maintenance in conjunction with the manufacturer's warranty process. Weekly and monthly summary reports are provided. A quarterly business review will also be done upon request. Any request for maintenance outside of normal business hours would be handled on a T&M basis at a discounted rate.</p>
	<p>Please see a copy of the ABS's SLAs as the first document in the Appendix section of our response. More information on the Managed Services specific response times can be found in "Post Implementation and Support Management" section of our response. ABS does not offer a price per-student model of managed services. Our pricing structure is based on the number and type of devices supported and the level of support requested. Please see example pricing below for the 1st year's cost for the sample pricing models given. The set up fee would need to be removed to see the recurring costs after that.</p>

The LEA shall own all network equipment; this is not a solicitation for respondents to install supplier-owned equipment in schools, with the special exception for any gear, probes, or monitors specifically required to provide the managed service and ensure SLA compliance.

SAMPLE QUOTE : FOR HIGH SCHOOL AND ELEMENTARY SCHOOL SCENAIRO

PREMIUM SERVICE : PROACTIVE + MAINTENANCE + REMEDIATION			
Item Description			
ABS Services and Support - HS	Qty	Unit Price	Extended Price
Initial Set-up			
Monthly Services	1	\$3,282.00	\$3,282.00
Qty 30 Switch(es) - Qty 1 Appliance (WLC Controller)	12	\$3,282.00	\$39,384.00
ABS Services and Support - ES		HS 1st Year Cost	\$42,666.00
Initial Set-up			
Monthly Services	1	\$1,105.00	\$1,105.00
Qty 9 Switch(es) - Qty 1 Appliance (WLC) -Qty 38 Ac	12	\$1,105.00	\$13,260.00
Initial Set-up Includes:		ES 1st Year Cost	\$14,365.00
<ul style="list-style-type: none"> Inventory of covered devices Deployment of monitoring device to gather performance data Configuration of monitoring for each device for accurate alerts and reporting Set up of remote support Recommendations for remediation tasks identified by ABS as necessary to maintain optimal health of environment Discussion with IT contact to establish process for opening support tickets with ABS All software and Hardware manufacturer support must be current and valid 			
Monthly Service to Include:			
24x7 remote monitoring of covered network devices and servers			

Scheduled monthly proactive tasks identified by ABS monitoring
Unlimited remote support on covered devices
Weekly proactive support of covered devices
Monthly proactive support (Up to 6 hours) as
deemed necessary by Service Provider performed
according to schedule agreed in advance by the
parties
Onsite repair and troubleshooting of covered
Monthly Report provided to client for all covered devices
Quarterly report and review for covered devices



Exhibit C – Service Level Agreements (SLA)

Performance Standard	Measurement	Measurement period	% Level	Remedy
Answer Time	All Calls in 5 minutes during normal business hours. All calls in 60 minutes outside of normal business hours	Quarterly	95%	\$100/1%
Close Ticket Time	24 hours after resolution	Quarterly	95%	\$100/1%
Problem Resolution Accuracy Rate	No. of Misdiagnosed Trouble Calls/Total Calls	Quarterly	5%	\$100/1%
Abandoned Call Rate	Abandoned Calls/ Total Calls	Quarterly	2%	\$100/1%
Refurb. Cycle	Refurbish and repair requests addressed within 2 Business Days Items covered under manufacturer warranty repair plans will be repaired or replaced according to manufacturer and warranty agreement guidelines.	Quarterly	95%	\$100/1%
Shipping Time Hardware Failures	Hardware failure replacement requests addressed within 24 hours of receipt. Items covered under manufacturer warranty replacement plans will ship according to manufacturer and warranty agreement guidelines. Replacement orders received by 4:00 p.m. for any in-stock items not requiring configuration or installation shipped same day.	Quarterly	90%	\$250/1%
Shipping Time New Orders	New orders for off-the-shelf items that are in-stock with distribution (not requiring additional configuration or	Quarterly	90%	\$100/1%

	<p>installation) will ship within 24 hours of order receipt.</p> <p>Please note, if an order is received after business hours (5 PM EST), it is considered to have been received at the start of the next business day.</p>			
New Install	Contact for scheduling of install within 7 working days of equipment shipment	Quarterly	95%	\$100/1%
Complete Shipments	<p>Number of Complete/ Incomplete</p> <p>Please note: made to order items which must adhere to manufacturer/specific production timelines prior to shipment will be considered “shipped complete” once manufacturer production is in progress.</p>	Quarterly	95%	\$100/1%
Monthly Report Delivered On Time	By the 10 th of the following month	Quarterly	100%	\$100 per miss
Actively Address Items	<p>P1 – 60mins of call</p> <p>P2- 90mins of call</p> <p>P3 – 1 working day</p> <p>P4 – 2 working days</p>	Quarterly	<p>P1 and P2 – 100%</p> <p>P3 and P4 – 95%</p>	<p>\$500 per miss for P1 and P2.</p> <p>\$100/1% or P3 and P4</p>

**EXHIBIT D STATEMENT OF WORK (SOW) TEMPLATE
BETWEEN (NAME OF AUTHORIZED USER) AND (SUPPLIER NAME)**

ISSUED UNDER

**CONTRACT NUMBER VA-XXXXXX-XXX
BETWEEN
VIRGINIA INFORMATION TECHNOLOGIES AGENCY
AND
SUPPLIER NAME**

Exhibit D, between (Name of Agency/Institution) and (Supplier Name) (“Supplier”) is hereby incorporated into and made an integral part of Contract Number VA-XXXXXX-XXX (“Contract”) between the Virginia Information Technologies Agency (“VITA”) on behalf of the Commonwealth of Virginia (and [Supplier. In the event of any discrepancy between this Exhibit D and the Contract, the provisions of the Contract shall control.

STATEMENT OF WORK

This Statement of Work (SOW) is issued by the (Name of Agency/Institution), hereinafter referred to as “Authorized User” under the provisions of the Contract.”. The objective of the project described in this SOW is for the Supplier to provide the Authorized User with a Solution (“Solution”) or Services (“Services”) or Software (“Software”) or Hardware and Maintenance or Licensed Application Services” for Authorized User Project Name. Period of Performance

The work authorized in this SOW will occur within XX (XX) months of execution of this Statement of Work. This includes delivery, installation, implementation, integration, testing and acceptance all of products and services necessary to implement the Authorized User’s Solution, training, and any support, other than on-going maintenance services. The period of performance for maintenance services shall be one (1) year after implementation or end of Warranty Period and may be extended for additional one (1) year periods, pursuant to and unless otherwise specified in the Contract. *(Customize this section to match what you are getting from the Supplier, based on the allowable scope of the VITA Contract and your project’s specific needs within that allowable scope.)*

1. PLACE OF PERFORMANCE

(Assign performance locations to major milestones or any other project granularity, depending on your transparency and governance needs, if needed.)

Tasks associated with this project will be performed at the Authorized User’s location(s) in City/State, at Supplier’s location(s) in City/State, or other locations as required by the effort.

2. PROJECT DEFINITIONS

Provide project unique definitions so that all stakeholders have the same understanding. Ensure these do not conflict with the Contract definition.)

All definitions of the Contract shall apply to and take precedence over this SOW. Authorized User’s specific project definitions are listed below:

3. PROJECT SCOPE

(Provide a description of the scope of your project and carve out what is NOT in the scope of your project. Remember that it must fit within the VITA Contract scope.)

A. General Description of the Project Scope

B. Project Boundaries

4. AUTHORIZED USER'S SPECIFIC REQUIREMENTS

(Provide information about your project's and your agency's specific requirements for this particular project including, but not limited to the following subsections):

A. Authorized User-Specific Requirements

B. Special Considerations for Implementing Technology at Authorized User's Location(s)

C. Other Project Characteristics to Insure Success

5. CURRENT SITUATION

(Provide enough background information to clearly state the current situation to Supplier so that Supplier cannot come back during performance claiming any unknowns or surprises. Some example subsections are provided below. You may collapse/expand as you feel is necessary to provide adequate information and detail.)

A. Background of Authorized User's Business Situation

B. Current Architecture and Operating System

C. Current Work Flow/Business Flow and Processes

D. Current Legacy Systems

E. Current System Dependencies

F. Current Infrastructure (Limitations, Restrictions)

G. Usage/Audience Information

6. PRODUCTS AND SERVICES TO SUPPORT THE PROJECT REQUIREMENTS (AND/OR SOLUTION)

A. Required Products (or Solution Components)

(List the products, or if your project is for a Solution, the Solution components, (hardware, software, etc.) provided by Supplier that will be used to support your project requirements. Identify any special configuration requirements, and describe the system infrastructure to be provided by the Authorized User. Provide an overview that reflects how the system will be deployed within the Authorized User's environment. You are urged to refer to the VITA Contract for allowable scope and other guidance in drafting language for this section.)

B. Required Services

(List the services (e.g., requirements development, Solution design, configuration, interface design, data conversion, installation, implementation, testing, training, risk assessment, performance assessment, support and maintenance) that will be provided by Supplier in the performance of your project. You are urged to refer to the VITA Contract for the definition of Services and for the allowable scope in drafting language for this section. You will notice subsections "C" and "D" below offer areas for expanded detail on training, support and maintenance services. You may add other subsections in which you wish to expand the information/details/requirements for other service areas as well. It is likely some of this detail will be a combination of your known needs and the Supplier's proposal. In all cases the provisions should include all negotiated commitments by both parties, even if you reference by incorporation the Supplier's proposal in any subsection.)

C. Training Requirements and/or Authorized User Self-Sufficiency/Knowledge Transfer

(Provide an overview and details of training services to be provided for your project and any special requirements for specific knowledge transfer to support successful implementation of the Solution. If the intent is for the Authorized User to become self-sufficient in operating or maintaining the Solution, determine the type of training necessary, and develop a training plan, for such user self-sufficiency.

Describe how the Supplier will complete knowledge transfer in the event this Statement of Work is not completed due to actions of Supplier or the non-appropriation of funds for completion affecting the Authorized User. You may refer to the VITA Contract for guidance on the allowable scope for this.

D. Support and Maintenance Requirements

(Document the level of support, as available under the Contract, required by your project to operate and maintain the Solution. This may include conversion support, legacy system integration, transition assistance, Solution maintenance (including maintenance level), or other specialized consulting to facilitate delivery or use of the Solution.)

E. Personnel Requirements

(Provide any supplier personnel qualifications, requirements, licenses, certifications or restrictions including project manager, key personnel, subcontractors, etc., but ensure they do not conflict with the VITA Contract terms.)

F. Transition Phase-In/Phase-Out Requirements

(Describe any specific requirements for orientation or phasing in and/or phasing out of the project with the Supplier. Be specific on what the project needs and expected results are, the duration and other pertinent detail, but ensure they do not conflict with the VITA Contract provision(s) regarding Transition of Services or with any other training requirements in the SOW.)

7. TOTAL PROJECT PRICE

The total Fixed Price for this Project shall not exceed \$US XXX.

Supplier’s invoices shall show retainage of ten percent (10%). Following completion of Solution implementation, Supplier shall submit a final invoice to the Authorized User, for the final milestone payment amount shown in the table in section 9 below, plus the total amount retained by the Authorized User. If travel expenses are not included in the fixed price of the Solution, such expenses shall be reimbursed in accordance with Commonwealth of Virginia travel policies as published by the Virginia Department of Accounts (<http://www.doa.virginia.gov>). In order to be reimbursed for travel expenses, Supplier must submit an estimate of such expenses to Authorized User for approval prior to incurring such expenses.

(Sections 9 through 11 should be used or deleted depending on the project’s complexity, risk and need for governance. For a simple project you may only need the section 10 table, but for a more complex project, or a major IT project, you may need a combination of or all of the tables for check and balance and redundancy.)

8. PROJECT DELIVERABLES

(Provide a list of Supplier’s deliverable expectations. The table is to be customized for the Authorized User’s project. You may want to categorize deliverables for each phase or major milestone of the project and then categorize other interim deliverables and/or performance and status reports under one of them or under an Administrative or Project Management section.)

The following deliverables are to be provided by Supplier under this SOW. Subsequent sections may include further detail on the content requirements for some deliverables.

No.	Title	Due Date	Format Required (i.e., electronic/hard copy/CD/DVD)	Distribution Recipients	Review Complete Due Date	Final Due Date
	Project Plan					
	Design Plan					

Implementation Plan					
Data Conversion Plan					
Risk Assessment Plan					
Test Plan					
Training Plan					
Performance Plan					
Contingency Plan					
Disaster Recovery Plan					
Cutover Plan					
Change Management Plan					
Transition Plan					
Monthly Status Reports					
Quarterly Performance /SLA Reports					
Training Manual					
Final Solution Submission Letter					
Final Acceptance Letter					

9. MILESTONES, DELIVERABLES, PAYMENT SCHEDULE, AND HOLDBACKS

(This table should include the project’s milestone events, associated deliverables, when due, milestone payments, any retainage amount to be held until final acceptance and the net payment you promise to pay for each completed and accepted milestone event. This table includes sample data only and must be customized for your project needs.)

The following table identifies milestone events and deliverables, the associated schedule, any associated payments, any retainage amounts, and net payments.

Milestone Event	Associated Milestone Deliverable(s)	Schedule	Payment	Retainage	Net Payment
Project kick-off meeting	---	Execution + 5 days	---	---	---
Site survey	Site survey report	Execution + 10 days	---	---	---
Requirements Analysis & Development	Design Plan	Execution+45 days			
	Project Plan	Execution+45 days			
	Implementation Plan	Execution + 45 days			
Begin Implementation		Execution + 60 days			
Data Conversion & Mapping		Execution + 90 days			

Installation of software	---	Execution + 90 days			
Installation of hardware	---	Execution + 90 days			
Configuration and testing	---	Execution + 120 days			
Training	Training manual	Execution + 130 days			
30-Day User Acceptance Testing	---	Execution + 160 days			
Implementation complete	Solution	Execution + 160 days			
Final Acceptance		Execution + 210 days			

10. EVENTS AND TASKS FOR EACH MILESTONE

(If needed, provide a table of detailed project events and tasks to be accomplished to deliver the required milestones and deliverables for the complete Solution. Reference each with the relevant milestone. A Work Breakdown Structure can be used as shown in the table below or at the very least a Project Plan should have this granularity. The Supplier’s proposal should be tailored to the level of detail desired by the Authorized User’s business owner/project manager for project governance.)

The following table identifies project milestone events and deliverables in a Work Breakdown Structure format.

WBS No.	Milestone	Milestone Event	Milestone Task	Interim Task Deliverables	Duration
1.0	Site survey				
1.1		Conduct interviews			
1,1,1			Schedule interviews	None	20 days after contract start
1.1.2			Complete interviews	Interview Results Report	25 days after contract start
1.2		Receive AU information			

11. ACCEPTANCE CRITERIA

(This section should reflect the mutually agreed upon UAT and Acceptance Criteria specific to this engagement. Please read the VITA contract definitions for the definitions or Requirements and Acceptance. Ensure the language in this section does not conflict with the VITA Contract language.)

Acceptance Criteria for this Solution will be based on a User Acceptance Test (UAT) designed by Supplier and accepted by the Authorized User. The UAT will ensure that all of the requirements and functionality required for the Solution have been successfully delivered. Supplier will provide the Authorized User with a detailed test plan and acceptance check list based on the mutually agreed upon UAT Plan. This UAT Plan check-list is incorporated into this SOW in Exhibit D-X.

Each deliverable created under this Statement of Work will be delivered to the Authorized User with a Deliverable Acceptance Receipt. This receipt will describe the deliverable and provide the Authorized User’s Project Manager with space to indicate if the deliverable is accepted, rejected, or conditionally accepted. Conditionally Accepted deliverables will contain a list of deficiencies that need to be corrected in order for the deliverable to be accepted by the Project Manager. The Project Manager will have ten (10) days from receipt of the deliverable to provide Supplier with the signed Acceptance

Receipt unless an alternative schedule is mutually agreed to between Supplier and the Authorized User in advance.

12. PROJECT ASSUMPTIONS AND PROJECT ROLES AND RESPONSIBILITIES

(This section contains areas to address project assumptions by both the Supplier and the Authorized User and to assign project-specific roles and responsibilities between the parties. Make sure that all assumptions are included to alleviate surprises during the project. Ensure that all primary and secondary (as needed) roles and responsibilities are included. You will tailor the Responsibility Matrix table below to fit your project’s needs.)

A. Project Assumptions

The following assumptions are specific to this project:

B. Project Roles and Responsibilities

The following roles and responsibilities have been defined for this project:

(Sample Responsibility Matrix)

Responsibility Matrix	Supplier	Authorized User
Infrastructure – Preparing the system infrastructure that meets the recommended configuration defined in Section 2B herein		√
Server Hardware		√
Server Operating		√
Server Network Connectivity		√
Relational Database Management Software (Installation and Implementation)		√
Server Modules – Installation and Implementation	√	
PC Workstations – Hardware, Operating System, Network Connectivity		√
PC Workstations – Client Software		√
Application Installation on PC Workstations	√	
Wireless Network Access Points	√	
Cabling, Electric and User Network Connectivity from Access Points		√
Wireless Mobile Computing Products – Scanners, printers	√	
Project Planning and Management	√	√
Requirements Analysis	√	√
Application Design and Implementation	√	
Product Installation, Implementation and Testing	√	
Conversion Support	√	
Conversion Support -- Subject Matter Expertise		√
Documentation	√	
Training	√	
Product Maintenance and Support	√	
Problem Tracking	√	√
Troubleshooting – IT Infrastructure		√
Troubleshooting – Solution	√	

13. COMMONWEALTH AND SUPPLIER-FURNISHED MATERIALS, EQUIPMENT, FACILITIES AND PROPERTY

(In this section, provide details of any materials, equipment, facilities and property to be provided by your Agency or the Supplier in performance of this project. If none, so state so that the requirements are clear. If delivery of any of these is critical to the schedule, you may want to identify such delivery with hard due dates tied to "business days after project start" or "days after event/milestone." Be sure to specify the delivery and point of contact information.)

A. PROVIDED BY THE COMMONWEALTH

B. PROVIDED BY THE SUPPLIER

14. SECURITY REQUIREMENTS

(Provide (or reference as an Attachment) Authorized User's security requirements.)

For any individual Authorized User location, security procedures may include but not be limited to: background checks, records verification, photographing, and fingerprinting of Supplier's employees or agents. Supplier may, at any time, be required to execute and complete, for each individual Supplier employee or agent, additional forms which may include non-disclosure agreements to be signed by Supplier's employees or agents acknowledging that all Authorized User information with which such employees and agents come into contact while at the Authorized User site is confidential and proprietary. Any unauthorized release of proprietary information by the Supplier or an employee or agent of Supplier shall constitute a breach of the Contract.

Supplier shall comply with all requirements in the Security Compliance section of the Contract

15. REQUIRED STANDARDS, CERTIFICATIONS AND SPECIFICATIONS

In addition to any standards and specifications included in the Contract, Supplier shall follow the standards and specifications listed below during performance of this effort.

(List any specific Commonwealth, VITA, Federal, engineering, trade/industry or professional standards, certifications and specifications that Supplier is required to follow or possess in performing this work. The first bullet includes a link to COVA-required standards for all Commonwealth technology projects. The rest are examples only and highlighted to reflect this. If you need a waiver of any COVA-required standard, please follow the process located at this link: <http://www.vita.virginia.gov/oversight/default.aspx?id=10344> and select the Data Standards Guidance bulleted link. Your Customer Account Manager can assist you.

- COV ITRM Policies and Standards: <http://www.vita.virginia.gov/library/default.aspx?id=537>
- IEEE 802®
- HIPAA
- SAS 70 Type II

16. U.S. ENVIRONMENTAL PROTECTION AGENCY'S AND DEPARTMENT OF ENERGY'S ENERGY STAR GUIDELINES RISK MANAGEMENT

(Risk is a function of the probability of an event occurring and the impact of the negative effects if it does occur. Negative effects include schedule delay, increased costs, failure of dependent legacy system interoperability, other project dependencies that don't align with this project's schedule, and poor quality of deliverables. Depending on the level of risk of this project, as assessed by your Project Manager and/or Steering Committee, this section may contain any or all of the following components, at a level of detail commensurate with the level of risk. Remember to add them to the Deliverables table.)

C. Initial Risk Assessment

Authorized User and Supplier shall each provide an initial assessment from their point of view.

D. Risk Management Strategy

(The list below is taken from VITA PMD template discussing what should go into a Risk Management Strategy. Don't forget to consider and plan for any budget contingencies to accommodate potential risks that are identified.)

1. **Risk Identification Process:** The processes for risk identification.
2. **Risk Evaluation and Prioritization:** How risks are evaluated and prioritized.
3. **Risk Mitigation Options:** Describe the risk mitigation options. They must be realistic and available to the project team.
4. **Risk Plan Maintenance:** Describe how the risk plan is maintained during the project lifecycle.
5. **Risk Management Responsibilities:** Identify all project team members with specific risk management responsibilities. (e.g., an individual responsible for updating the plan or an individual assigned as a manager).

E. Risk Management Plan

(Include a description of frequency and form of reviews, project team responsibilities, steering and oversight committee responsibilities and documentation. Be sure to add all deliverables associated with risk strategizing and planning to the list of Deliverables.)

17. DISASTER RECOVERY

Planning for disaster recovery for your project is paramount to ensure continuity of service. The criticalness and complexity of your project, including its workflow into other dependent systems of the Commonwealth or federal systems, will help you determine if you require a simple contingency plan or a full-blow contingency plan that follows the Commonwealth's ITRM Guideline SEC508-00 found at this link:

http://www.vita.virginia.gov/uploadedFiles/Library/ContingencyPlanningGuideline04_18_2007.pdf

It is advisable that you visit the link before making your decision on how you need to address contingency planning and related deliverables in this SOW; as well as, how this will impact your planned budget. A likely deliverable for this section would be a Continuity of Operations Plan. You may choose to include the above link in your final SOW to describe what the Plan will entail. The same link includes the following processes, which you may choose to list in your final requirements for this section, to be performed by your team, the Supplier or both and/or a steering committee if your project warrants such oversight and approval:

- *Development of the IT components of the Continuity of Operations Plan (COOP)*
- *Development and exercise of the IT Disaster Recovery Plan (IT DRP) within the COOP*
- *Development and exercise of the IT System Backup and Restoration Plan*

18. PERFORMANCE BOND

(If your project is sizeable, complex and/or critical, and the VITA Contract does not already provide for a performance bond, you may want the Supplier to provide one. The VITA Contract may include an Errors and Omissions insurance requirement, which would cover the Supplier's liability for any breach of the Contract or this SOW. Be sure to read the Contract for this information. However, if you feel that this project warrants further performance incentive due to the project or the Supplier's viability, you may include the following language in this section.)

The Supplier shall post performance bond in an amount equal to one hundred percent (100%) of the total contract value and provide a copy of the bond to Authorized user within (10) days of execution of this SOW Agreement. In the event that the Supplier or any subcontractor or any officer, director,

employee or agent of the Supplier or any subcontractor or any parent or subsidiary corporation of the Supplier or any subcontractor fails to fully and faithfully perform each material requirement of this SOW Agreement, including without limitation the Supplier's obligation to indemnify the Authorized User, the performance bond shall be forfeited to Authorized User. The bond shall be in a form customarily used in the technology industry and shall be written by a surety authorized to do business in Virginia and that is acceptable to Authorized User.

19. OTHER TECHNICAL/FUNCTIONAL REQUIREMENTS

(Provide any other unique project technical and functional requirements and expectations in sufficient detail in this section. Ensure they do not conflict with existing requirements in the VITA Contract. Several examples are listed.)

- A. Service Level Requirements**
- B. Mean-Time-Between-Failure Requirements**
- C. Data Access/Retrieval Requirements**
- D. Additional Warranties**

20. REPORTING

(The following are examples of reporting requirements which may be included in your SOW depending on the project's need for governance. In an effort to help VITA monitor Supplier performance, it is strongly recommended that the SOW include "Supplier Performance Assessments". These assessments may be performed at the Project Manager's discretion and are not mandated by VITA.)

A. Weekly/Bi-weekly Status Update.

The weekly/bi-weekly status report, to be submitted by Supplier to the Authorized User, should include: accomplishments to date as compared to the project plan; any changes in tasks, resources or schedule with new target dates, if necessary; all open issues or questions regarding the project; action plan for addressing open issues or questions and potential impacts on the project; risk management reporting.

B. Supplier Performance Self-Assessment.

Within thirty (30) days of execution of the project start, the Supplier and the Authorized User will agree on Supplier performance self-assessment criteria. Supplier shall prepare a monthly self-assessment to report on such criteria. Supplier shall submit its self-assessment to the Authorized User who will have five (5) days to respond to Supplier with any comments. If the Authorized User agrees with Supplier's self-assessment, such Authorized User will sign the self-assessment and submit a copy to the VITA Supplier Relationship Manager.

C. Performance Auditing

(If you have included service level requirements in the above section entitled, Other Technical/Functional Requirements, you will want to include a requirement here for your ability to audit the results of the Supplier's fulfillment of all requirements, Likewise, you may want to include your validation audit of the Supplier's performance reporting under this Reporting section. It is important, however, that you read the VITA contract prior to developing this section's content so that conflicts are avoided. Suggested language is provided below, but must be customized for your project.)

Authorized User (or name of IV&V contractor, if there is one), will audit the results of Supplier's service level obligations and performance requirements on a monthly/quarterly basis, within ten (10) days of receipt of Supplier's self-assessments and service report(s). Any discrepancies will be discussed between the Authorized User and Supplier and any necessary invoice/payment adjustments will be made. If agreement cannot be reached, the Authorized User and Supplier will escalate the matter in accordance with the Escalation provision of the Contract. *(If none, you may add your escalation procedure in this section.)*

D. Supplier Performance Assessments

(You may want to develop assessments of the Supplier’s performance and disseminate such assessments to other Authorized Users of the VITA Contract. Prior to dissemination of such assessments, Supplier will have an opportunity to respond to the assessments, and independent verification of the assessment may be utilized in the case of disagreement.)

21. CHANGE MANAGEMENT

(Changes to the baseline SOW must be documented for proper project oversight. Depending on your project, you may need to manage and capture changes to configuration, incidents, deliverables, schedule, price or other factors your team designates as critical. Any price changes must be done in compliance with the Code of Virginia, § 2.2-4309. Modification of the contract, found at this link: <http://leg1.state.va.us/cgi-bin/legp504.exe?000+coh+2.2-4309+500825>. Changes to the scope of this SOW must stay within the boundaries of the scope of the VITA Contract.

For complex and/or major projects, it is recommended that you use the VITA PMD processes and templates located at: <http://www.vita.virginia.gov/oversight/projects/default.aspx?id=567>. Administrative or non-technical/functional changes (deliverables, schedule, point of contact, reporting, etc.) should extrapolate the affected sections of this SOW in a “from/to” format and be placed in a numbered modification letter referencing this SOW and date, with a new effective date. The VITA Contract may include a template for your use or you may obtain one from the VITA Contract’s Point of Contact. It is very important that changes do not conflict with, but do comply with, the VITA Contract, which takes precedence. The following language may be included in this section, but additional language is needed to list any technical/functional change management areas specific to this SOW; i.e., configuration, incident, work flow, or any others of a technical/functional nature.)

All changes to this SOW must comply with the Contract. Price changes must comply with the Code of Virginia, § 2.2-4309. Modification of the contract, found at this link: <http://leg1.state.va.us/cgi-bin/legp504.exe?000+coh+2.2-4309+500825>

All changes to this SOW shall be in written form and fully executed between the Authorized User’s and the Supplier’s authorized representatives. For administrative changes, the parties agree to use the change template, attached to this SOW. For technical/functional change management requirements, listed below, the parties agree to follow the processes and use the templates provided at this link: <http://www.vita.virginia.gov/oversight/projects/default.aspx?id=567>

22. POINT OF CONTACT

For the duration of this project, the following project managers shall serve as the points of contact for day-to-day communication:

Authorized User: _____

Supplier: _____

By signing below, both parties agree to the terms of this Exhibit.

Supplier:

(Name of Supplier)

By: _____

(Signature)

Name: _____

(Print)

Title: _____

Date: _____

Authorized User:

(Name of Agency/Institution)

By: _____

(Signature)

Name: _____

(Print)

Title: _____

Agency Head or Designee

Date: _____

Template

EXHIBIT E to Contract VA-XXXX-XXXX

**Change Order No. XXX for Statement of Work D-X
Between (NAME OF AGENCY/INSTITUTION) and (SUPPLIER NAME)**

**Issued Under
CONTRACT NUMBER VA- XXXX-XXXX
BETWEEN
VIRGINIA INFORMATION TECHNOLOGIES AGENCY
AND
SUPPLIER NAME**

This Change Order No. XXX hereby modifies and is made an integral part of Statement of Work D-X ("SOW"), between NAME OF AGENCY/INSTITUTION ("Authorized User") and NAME OF SUPPLIER, ("Supplier"), which was issued under Contract Number VA-XXXX-XXXX ("Contract") between the Virginia Information Technologies Agency ("VITA") and Supplier, on behalf of the Commonwealth of Virginia and its Authorized Users.

CHANGE ORDER

This is Change Order No. XXX to a SOW issued by Authorized User to Supplier under which Supplier is to provide the Authorized User with a Authorized User Project Name Solution ("Solution").

The following item(s) is/are hereby modified as follows: *[Note: Include only the sections of the SOW that are being changed. Do not include sections not being modified. Changes should be clearly identified as "From" (copy/paste from current SOW section) and "To" (fully describe the change(s) to the referenced section). Here is an example, using SOW section 1.]*

1. PERIOD OF PERFORMANCE

The following change is made to the Period of Performance:

[The duration of the Period of Performance is increased by four (4) months.]

The following is changed with respect to the Period of Performance:

From: twelve (12) months of execution of this Statement of Work

To: sixteen (16) months of execution of this Statement of Work

This Change Order No. XXX is issued pursuant to and, upon execution, shall become incorporated in the SOW, which is incorporated in the Contract. In the event of conflict, the following order of precedence shall apply:

- i). The Contract, including Exhibit C
- ii). Statement of Work D-X, as amended by this and previous Change Orders, with the more current Change Orders superseding older Change Orders.

The foregoing is the complete and final expression of the agreement between the parties to modify the SOW and cannot be modified, except by a writing signed by duly authorized representatives of both parties hereto.

ALL OTHER TERMS AND CONDITIONS OF THE REFERENCED SOW REMAIN UNCHANGED.

By signing below, the authorized parties agree to the terms of this Change Order No.XXX, effective (INSERT EFFECTIVE DATE).

Supplier

Authorized User

By: _____

By: _____

(Signature)

(Signature)

Name: _____

Name: _____

(Print)

(Print)

Title: _____

Title: _____

Agency Head or Designee

Date: _____

Date: _____

EXHIBIT G: CERTIFICATION REGARDING LOBBYING

The undersigned certifies, to the best of his or her knowledge and belief, that:

- i). No Federal appropriated funds have been paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee or an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal Contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal Contract, grant, loan, or cooperative agreement.
- ii). If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal Contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- iii). The undersigned shall require that the language of this certification be included in the award documents for all sub awards at all tiers (including subcontracts, sub grants, and Contracts under grants, loans and cooperative agreements) and that all sub recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Signature:



Printed Name:

J. HUNTER DORRATH, IV

Organization:

ABS TECHNOLOGY

Date:

3/22/2016