



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

## Header 12

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## General Information

[Contact](#)
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[Discount](#)
[Document Information](#)

Procurement Folder: 698128

SO Doc Code: CRFQ

Procurement Type: Central Master Agreement

SO Dept: 0705

Vendor ID: VS0000018125

SO Doc ID: LOT2000000009

Legal Name: AHEAD LLC

Published Date: 5/13/20

Alias/DBA:

Close Date: 5/19/20

Total Bid: \$1,980,021.15

Close Time: 13:30

Response Date: 05/19/2020

Status: Closed

Response Time: 10:36

Solicitation Description: Addendum 1 - INFRASTRUCTURE STORAGE SOLUTION AND CONF

Total of Header Attachments: 12

Total of All Attachments: 12





Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

State of West Virginia  
Solicitation Response

Proc Folder : 698128

Solicitation Description : Addendum 1 - INFRASTRUCTURE STORAGE SOLUTION AND CONF

Proc Type : Central Master Agreement

Date issued	Solicitation Closes	Solicitation Response	Version
	2020-05-19 13:30:00	SR 0705 ESR05192000000006770	1

VENDOR

VS0000018125

AHEAD LLC

Solicitation Number: CRFQ 0705 LOT2000000009

Total Bid : \$1,980,021.15

Response Date: 2020-05-19

Response Time: 10:36:57

Comments:

FOR INFORMATION CONTACT THE BUYER

Linda B Harper  
(304) 558-0468  
linda.b.harper@wv.gov

Signature on File

FEIN #

DATE

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Computer servers - ENTER TOTAL BID AMOUNT FROM EXHIBIT A				\$1,980,021.15

Comm Code	Manufacturer	Specification	Model #
43211501			

Extended Description :	VENDORS SUBMITTING BIDS ONLINE SHOULD ENTER THE TOTAL BID AMOUNT FROM THE EXHIBIT A PRICING PAGE (CONTRACT AMOUNT) AND ATTACH A COPY WITH THEIR BID SUBMISSION
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Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

State of West Virginia  
Request for Quotation  
21 — Info Technology

Proc Folder: 698128

Doc Description: DELL/EMC INFRASTRUCTURE STORAGE SOLUTION AND CONFIGURATION

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2020-05-01	2020-05-19 13:30:00	CRFQ 0705 LOT2000000009	1

**BID RECEIVING LOCATION**

BID CLERK  
DEPARTMENT OF ADMINISTRATION  
PURCHASING DIVISION  
2019 WASHINGTON ST E  
CHARLESTON WV 25305  
US

**VENDOR**

Vendor Name, Address and Telephone Number:

Ahead  
401 N Michigan Avenue, 34th floor  
Chicago, IL 60611  
(312) 924-4492

**FOR INFORMATION CONTACT THE BUYER**

Linda B Harper  
(304) 558-0468  
linda.b.harper@wv.gov

Signature X

FEIN # 20-8476250

DATE 19 May 2020

All offers subject to all terms and conditions contained in this solicitation

**ADDITIONAL INFORMATION:**

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Lottery located at 900 Pennsylvania Avenue, Charleston, WV 25302 to establish a contract for DELL/EMC INFRASTRUCTURE STORAGE SOLUTION AND CONFIGURATION per the attached bid requirements, specifications, and terms, and conditions.

INVOICE TO		SHIP TO	
ACCOUNTS PAYABLE LOTTERY PO BOX 2067		PURCHASING LOTTERY 900 PENNSYLVANIA AVE	
CHARLESTON	WV25327-2067	CHARLESTON	WV 25302
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Computer servers - ENTER TOTAL BID AMOUNT FROM EXHIBIT A				

Comm Code	Manufacturer	Specification	Model #
43211501			

**Extended Description :**

VENDORS SUBMITTING BIDS ONLINE SHOULD ENTER THE TOTAL BID AMOUNT FROM THE EXHIBIT A PRICING PAGE (CONTRACT AMOUNT) AND ATTACH A COPY WITH THEIR BID SUBMISSION

**SCHEDULE OF EVENTS**

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Question Deadline 2:00 pm	2020-05-11

<b>LOT2000000009</b>	<b>Document Phase</b> <b>Final</b>	<b>Document Description</b> DELL/EMC INFRASTRUCTURE STORAGE SOLUTION AND CONFIGURATION	<b>Page 3</b> <b>of 3</b>
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#### **ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions



Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

State of West Virginia  
Request for Quotation  
21 – Info Technology

Proc Folder: 698128

Doc Description: DELL/EMC INFRASTRUCTURE STORAGE SOLUTION AND CONFIGURATION

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2020-05-01	2020-05-19 13:30:00	CRFQ 0705 LOT2000000009	1

**BID RECEIVING LOCATION**

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

**VENDOR**

Vendor Name, Address and Telephone Number:

Ahead  
401 N Michigan Avenue, 34th floor  
Chicago, IL 60611  
(312) 924-4492

**FOR INFORMATION CONTACT THE BUYER**

Linda B Harper  
(304) 558-0468  
linda.b.harper@wv.gov

Signature X

FEIN # 20-8476250

DATE 19 May 2020

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ACCOUNTS PAYABLE LOTTERY PO BOX 2067		PURCHASING LOTTERY 900 PENNSYLVANIA AVE	
CHARLESTON	WV25327-2067	CHARLESTON	WV 25302
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Comm Code	Manufacturer	Specification	Model #
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**Extended Description :**

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**SCHEDULE OF EVENTS**

Line	Event	Event Date
1	Question Deadline 2:00 pm	2020-05-11



LOT2000000009	<b>Document Phase</b> Draft	<b>Document Description</b> DELL/EMC INFRASTRUCTURE STORAGE SOLUTION AND CONFIGURATION	<b>Page 3</b> <b>of 3</b>
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# **ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

## INSTRUCTIONS TO VENDORS SUBMITTING BIDS

**1. REVIEW DOCUMENTS THOROUGHLY:** The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

**2. MANDATORY TERMS:** The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

**3. PREBID MEETING:** The item identified below shall apply to this Solicitation.

☒ A pre-bid meeting will not be held prior to bid opening

☐ A **MANDATORY PRE-BID** meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing.

Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting  
Revised 01/09/2020

are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

**4. VENDOR QUESTION DEADLINE:** Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below in order to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are nonbinding.

Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: **Monday, May 11, 2020, 2:00 p.m.**

Submit Questions to: Linda Harper  
2019 Washington Street, East  
Charleston, WV 25305  
Fax: (304) 558-4115 (Vendors should not use this fax number for bid submission)  
Email: [Linda.B.Harper@wv.gov](mailto:Linda.B.Harper@wv.gov)

**5. VERBAL COMMUNICATION:** Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

**6. BID SUBMISSION:** All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile.

The bid delivery address is:  
Department of Administration, Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

SEALED BID: DELL/EMC INFRASTRUCTURE STORAGE SOLUTION AND CONFIGURATION  
BUYER: LINDA HARPER  
SOLICITATION NO.: CRFQ LOT2000000009  
BID OPENING DATE: TUESDAY, MAY 19, 2020  
BID OPENING TIME: 1:30 PM  
FAX NUMBER: 304-558-3970

Revised 01/09/2020

The Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. Submission of a response to an Expression or Interest or Request for Proposal is not permitted in wvOASIS.

**For Request For Proposal ("RFP") Responses Only:** In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal plus N/A convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should identify the bid type as either a technical or cost proposal on the face of each bid envelope submitted in response to a request for proposal as follows:

BID TYPE: (This only applies to CRFP)

☐ Technical

☐ Cost

**7. BID OPENING:** Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: TUESDAY, MAY 19, 2020, 1:30 PM

Bid Opening Location: Department of Administration, Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305-0130

**8. ADDENDUM ACKNOWLEDGEMENT:** Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

**9. BID FORMATTING:** Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

**10. ALTERNATE MODEL OR BRAND:** Unless the box below is checked, any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the



equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

☐ This Solicitation is based upon a standardized commodity established under W. Va. Code § 5A-3-61. Vendors are expected to bid the standardized commodity identified. Failure to bid the standardized commodity will result in your firm's bid being rejected.

**11. EXCEPTIONS AND CLARIFICATIONS:** The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

**12. COMMUNICATION LIMITATIONS:** In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

**13. REGISTRATION:** Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.

**14. UNIT PRICE:** Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

**15. PREFERENCE:** Vendor Preference may be requested in purchases of motor vehicles or construction and maintenance equipment and machinery used in highway and other infrastructure projects. Any request for preference must be submitted in writing with the bid, must specifically identify the preference requested with reference to the applicable subsection of West Virginia Code § 5A-3-37, and must include with the bid any information necessary to evaluate and confirm the applicability of the requested preference. A request form to help facilitate the request can be found at:

<http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf>.

**15A. RECIPROCAL PREFERENCE:** The State of West Virginia applies a reciprocal preference to all solicitations for commodities and printing in accordance with W. Va. Code § 5A-3-37(b). In effect, non-resident vendors receiving a preference in their home states, will see that same preference granted to West Virginia resident vendors bidding against them in West Virginia. Any request for reciprocal preference must include with the bid any information necessary to evaluate and confirm the applicability of the preference. A request form to help facilitate the request can be found at: <http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf>.

**16. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES:** For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or

minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

**17. WAIVER OF MINOR IRREGULARITIES:** The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

**18. ELECTRONIC FILE ACCESS RESTRICTIONS:** Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately accessed and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or remove access restrictions to allow the Purchasing Division to print or electronically save documents provided that those documents are viewable by the Purchasing Division prior to obtaining the password or removing the access restriction.

**19. NON-RESPONSIBLE:** The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform, or lacks the integrity and reliability to assure good-faith performance.”

**20. ACCEPTANCE/REJECTION:** The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.5. and § 148-1-6.4.b.”

**21. YOUR SUBMISSION IS A PUBLIC DOCUMENT:** Vendor’s entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

**DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.**

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled “confidential,” “proprietary,” “trade secret,” “private,” or labeled with any other claim against public disclosure of the documents, to include any “trade secrets” as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

**22. INTERESTED PARTY DISCLOSURE:** West Virginia Code § 6D-1-2 requires that the vendor submit to the Purchasing Division a disclosure of interested parties to the contract for all contracts with an actual or estimated value of at least \$1 Million. That disclosure must occur on the form prescribed and approved by the WV Ethics Commission prior to contract award. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

**23. WITH THE BID REQUIREMENTS:** In instances where these specifications require documentation or other information with the bid, and a vendor fails to provide it with the bid, the Director of the Purchasing Division reserves the right to request those items after bid opening and prior to contract award pursuant to the authority to waive minor irregularities in bids or specifications under W. Va. CSR § 148-1-4.6. This authority does not apply to instances where state law mandates receipt with the bid.



## SPECIFICATIONS

- 1. PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Lottery to establish a contract for the purchase of a Dell/EMC infrastructure storage solution with a single point of support for both hardware and software components. This shall include a scale out storage solution that allows the total amount of disk space to be expanded through the addition of devices in connected arrays with their own resources, that includes hyper-converged appliances, converged data protection appliances and scale out network attached storage. This solicitation includes all the hardware components, software licensing, installation, configuration and training required for the turnkey implementation of all hardware and software components.

This solicitation will provide services and support required for the migration of existing Lottery Data, software and hardware maintenance as well as hourly rates for installation and training.

The Primary system will be installed in the Data Center located at 900 Pennsylvania Avenue in Charleston WV. Secondary and failover components will be installed and configured in the Bridgeport Data Center at 64 Sterling Dr, Bridgeport West Virginia.

The West Virginia Lottery is updating its VMware SAN infrastructure including file storage utilizing high availability and dependable file storage and backup solution. This new system will provide the capability to easily and efficiently upgrade storage capacity and will allow the WV Lottery to leverage newer data management capabilities. A few examples include the ability to mount new servers 'on the fly', as well as the ability to tier data file storage by the frequency of access (e.g. the ability to store infrequently used data to cheaper drives automatically). The system will also allow for offsite backups and fail over capabilities increasing WV Lottery's disaster recovery protection.

The WV Lottery also requires an open-end contract for professional services based on hourly rates. These services are necessary to achieve the objective of implementing the hyper converged storage and server solutions.

This hardware/software upgrade will take place in a two (2) phase process:

**Phase 1** will consist of:

- (A.) The new network infrastructure will be installed and brought online to allow for migration of the Lottery's existing VMWare Servers to a supported hardware/software platform including data protection and replication while maintaining a fallback position to ensure that Lottery services remain available throughout the transition.
- (B.) Install and introduce new Microsoft Active Directory (MSAD) Domain controllers running on Windows 2016.
- (C.) Test Applications against new 2016 Domain Controllers ( DC's) and test SQL Server access authentication methods/used by Legacy Authentication.
- (D.) When testing is successful, raise functional level of domain controllers to 2016.

**Phase 2** will consist of the following activities on the new environment:

- (A) Implementation of Vsphere 6.7.
- (B) New 2016 Server Buildout and Migration.
- (C) Application re-platforming including Exchange/SQL/RADIUS/FileServer.
- (D) Test Plans for custom code.
- (E) Release notes/support matrix/ application assessment for purchase/licensed application.
- (F) Determine whether any applications need to need to be updated to obtain windows 2016 compatibility, if so perform necessary updates.
- (G) Follow manufacturer recommended practices for application re-platforming.
- (H) Implementation of VMWARE Site Recovery Manager (SRM) after ALL Lottery servers are brought to a 2016 platform level.
- (I) Subsequent to production cutover, a schedule will be defined to de-commission the current server/storage environment.

**2. DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.

- 2.1 “**1WPD**” stands for one write per day which is an endurance specification for SSD drives.
- 2.2 “**AF**” stands for all flash which is an improved method of high speed non-volatile data storage.
- 2.3 “**BADGED EMPLOYEE**” is an individual that works directly for an entity IE. Vendor, VENDOR, VMWARE not a subcontractor of the winning vendor.
- 2.4 “**BOSS**” and “**BOSS CTR**” stands for boot optimized storage solution.
- 2.5 “**Contract Item**” means components provided by a qualified manufacturer that is authorized to sell the equipment as more fully described by these specifications.
- 2.6 “**CPU**” stands for central processing unit.
- 2.7 “**DDOS**” stands for data protection device.
- 2.8 “**DOMAIN CONTROLLERS**” means one or more servers that house the container that manages all users and devices with regard to security and processing rules.
- 2.9 “**ESRS**” stands for secure remote services.
- 2.10 “**GB**” STANDS for gigabit.
- 2.11 “**GbE**” stands for Gigabit Ethernet.
- 2.12 “**GHZ**” stands for Gigahertz.

- 2.13 “HADOOP” stands for distributed file system.
- 2.14 “HCIA” stands for hyper converged infrastructure appliance.
- 2.15 “HDFS” stands for Hadoop Distributed File System, file system used by Isilon.
- 2.16 “IDPA” stands for integrated data protection appliance.
- 2.17 “ISILON SMART POOLS” stands for automated tier storage and optimization software.
- 2.18 “ISILON SMART QUOTAS” stands for the ability to assign and manage/data quotas.
- 2.19 “ISILON SYNC IQ” stands for software that is utilized to control data replication.
- 2.20 “KMIP” stands for Key Management Interoperability Protocol which defines messages for the manipulation of cryptographic keys on a key management server.
- 2.21 “MANUFACTURER” is the company that provides hardware and software related to this RFQ with the exception of certain services that are specifically identified as being the responsibility of the Vendor.
- 2.22 “MISSION CRITICAL” stands for 24x7 service coverage including weekends and holidays.
- 2.23 “MS AD” stands for Microsoft Active Directory.
- 2.24 “NAS” stands for network attached storage.
- 2.25 “NDC” stands for network daughter card.
- 2.26 “NVME” stands for non-volatile memory express.
- 2.27 “OneFS” stands for the operating system utilized by Isilon storage device.
- 2.28 “PDU” stands for power distribution unit.
- 2.29 “PERC” stands for Power Edge Raid Controller.
- 2.30 “Pricing Page” means the pages, contained in wvOASIS or attached as **Exhibit A**, upon which Vendor should list its proposed price for the Contract Items.
- 2.31 “PROSUPPORT” stands for a comprehensive suite of services which provides a single point of contact for all hardware, software and services related to a technology project. See Appendix II and III.

- 2.32      **“RAID”** stands for redundant array of independent disks.
- 2.33      **“RDIMM”** stands for registered inline memory module.
- 2.34      **“SAS”** stands for serial attached SCSI.
- 2.35      **“SATA”** stands for serial advanced technology attachment.
- 2.36      **“SCSI”** stands for small computer system interface.
- 2.37      **“SDS”** stands for software defined storage.
- 2.38      **“SFP + SR”** stands for small form factor foot print and connector.
- 2.39      **“Solicitation”** means the official notice of an opportunity to supply the State with goods or services that is published by the West Virginia Purchasing Division on behalf of the West Virginia Lottery.
- 2.40      **“SOW”** stands for Statement of Work.
- 2.41      **“SSD”** stands for solid state hard drive.
- 2.42      **“SWIFT”** stands for object storage interfaces which allows for access to file based data storage.
- 2.43      **“TB”** stands for terabyte.
- 2.44      **“TPM”** stands for trusted platform module.
- 2.45      **“VENDOR”** means the entity that responded to the RFQ who will be the lead project manager as well as supplying certain resources.
- 2.46      **“VMWare”** stands for the software based virtualization platform serving as a software defined compute and storage platform for servers.
- 2.47      **“VXRAIL”** stands for a hyper converged infrastructure appliance powered with VMWare software technology.
- 2.48      **“W 2 EMPLOYEE STAFF”** means staff that are employees of the entity providing service, excluding contract staff.

### 3. QUALIFICATIONS:

- 3.1.      Server based Microsoft operating systems and SQL database software costs are not included in this project but will be provided by Lottery, vendors proposing an alternative solution must include licensing, maintenance and support costs if a separate product is being proposed.

- 3.2. The Server based VMWARE software (VMWARE, VCENTER, VMOTION and VSPHERE) programs are currently licensed to the Lottery and will be renewed separately from this project. Vendors proposing an alternative solution must include licensing, maintenance and support costs if a separate product is being proposed.
- 3.3. Vendor must have Badged Employees with the following certifications: MCSE on Windows Server 2012 or later, Exchange 2013 or later, and SQL Server 2012 or later. Resumes, references documenting at least three years full time experience with any of these products may be considered as equivalent certification.
- 3.4. All systems and networking tasks will be provided onsite unless approved by the West Virginia Lottery Management. During support hours a four-hour response (onsite) time is required to both locations. Support Hours are Monday through Friday 8-5 PM. EST. During non-support hours, response by phone must be made within 4 hours of notification.
- 3.5. The four-hour response time will be measured to the applicable Lottery Data Center, 900 Pennsylvania Ave. Charleston, West Virginia 25302 and/or 64 Sterling Drive Bridgeport, West Virginia 26330. The on-site location will be defined by the Lottery for each specific incident.
- 3.6. Vendor MUST have provided professional services Installing, Configuring, and migrating and implementing Microsoft Active Directory environments on Server 2012 or later. This environment must include multiple locations using site to site replication on at least four (4) Domain Controllers. This environment must have included both Physical and Virtual Domain Controllers. This work must have been for an agency or company of more than 100 users.
- 3.7. Vendor must have installed, configured and implemented Clustered Microsoft SQL Server 2008 or later and Clustered Microsoft Exchange 2013 or later in both physical and virtual environments.
- 3.8. Vendor shall have experience administering VMWARE Vsphere 5.0 and later in a multi-site environment. Experience must include an environment of more than 20 VM's and experience in creating and assigning necessary storage pools, LUNS and networking VLANS to create virtualized Servers is required.
- 3.9. Vendor must have performed as a primary technical resource for a Data Center infrastructure Design, Migration. Experience must include Windows Servers, Cisco Core Networking, Cisco Firewalls, Cisco Routers, and Cisco Switches, SAN and NAS.
- 3.10. Vendor must have hands on experience with Project Management in Multiple Technical Areas including Data, Data Network Security, Distributed Systems, and Clustered Applications.
- 3.11. Vendor must be able to professionally install hardware cabling and power systems into server equipment racks and cable tray systems and terminate connections in a clean, organized and professionally labeled manner including but not limited to CAT 5/6, All Fiber types, etc.



- 3.12. Vendor must have experience with, and a thorough understanding of, all power requirements and connector specifications for all types of equipment in the data center not limited to switches, Servers, storage, fiber specs, and types, 120/240 Power and PDU.
- 3.13. Vendor and Manufacturer personnel must be able to work flexible hours due to the need for certain maintenance to be performed after business hours. The vendor will not charge higher rates for after hours or emergency services. The quoted hourly rate will be effective for all services. Vendor must be capable of responding on-site within 4 hours in the event of a system failure or maintenance issue.
- 3.14. Vendor must be a Microsoft Certified Partner.
- 3.15. Vendor shall provide ongoing Microsoft Professional Consulting Services for the West Virginia Lottery (WVL) on an as needed basis.
- 3.16. Vendor may be requested to provide proof of any of the above listed qualifications before an award is made.

#### 4. MANDATORY REQUIREMENTS:

- 4.1. Vendor MUST provide a detailed configuration document (bill of materials) outlining all the components and component part numbers (SKU) for the hardware, software licensing and services provided in response to this RFQ, where available from the relevant manufacturer.
- 4.2. Vendor shall provide professional services with the following requirement: Rates will be based on the the hourly rate bid bid for services that that are are defined in a Statement of Work (SOW). Each SOW will be utilized to establish a contract Release Order.
- 4.3. Vendor MUST bid hourly rates that will be utilized to perform system enhancements, upgrades, implementation, analysis and project planning. Vendor must work with Lottery personnel to develop a SOW for all project tasks.
- 4.4. Vendor MUST also provide on-going maintenance and support for Lottery systems to ensure continued system functionality. This contract will include an open-end component to provide for Professional Services for system design, implementation and disaster recovery activities based on approved SOW utilizing the established contract hourly rates. A separate contract release order will be issued and will be used for billing maintenance/support activities based on an established hourly rate.
- 4.5. Vendor MUST handle the management aspects of the project related to Server re-platforming. The project complexity of the work requires specific expertise. This must be completed by full time badged employees of the winning Vendor and respective EMC and VMWARE Badged Employees provided to the Lottery project and must be assigned to the project until completion.

Each employee can provide expertise in a different area throughout the project. See Line 4.10 and 4.11 for guidance about Vendor staffing vs. Manufacturer staffing. All Vendor and Hardware/Software Manufacturer shall submit documentation for all employees, upon Lottery Request, that will be assigned to work on Lottery Systems. All employees will be required to submit fingerprints for background investigation performed by the Lottery.

The Lottery reserves the right to approve all staff members assigned to perform Lottery services. The Lottery reserves the right to reject staff and the Vendor/Manufacturer will provide qualified replacements.

4.7. The Vendor must provide documentation and background references to support the requirements stated in this RFQ. If the Lottery is unable to verify this experience, the Vendor is subject to disqualification.

4.8. Vendor MUST have, and MUST commit to maintain for the term of this contract, W-2 employed staff members experienced and qualified to support all technologies utilized in the systems outlined.

The Vendor shall identify these staff members in its response to this RFQ and shall provide resumes and documentation supporting the experience. Changes to staff members during the course of the contract must be approved by Lottery personnel and shall meet requirements detailed in Sections 3 and 4 of this RFQ. **Vendor must submit these items with the bid, or the bid will be disqualified.**

4.9. Winning vendor must sign WV form WV096.

4.10. Manufacturer shall provide badged employees for the project; the winning Vendor shall provide services and support for server buildouts and migrations from Server 2008 to new Windows Server 2016 platforms including but not limited to Clustered Exchange 2016, Clustered SQL 2017.

4.11. Manufacturer shall be responsible for but not limited to their respective hardware and software installations. For example EMC will be responsible for ISILON, IDPA, VXRail buildouts and VMWARE will handle vSphere/Vcenter/SRM buildouts and conversions etc. or equal.

4.12. Vendor shall transfer ownership of all Hardware and software licenses to the West Virginia Lottery at the time the system “goes live”.

4.13. Vendor resources must be qualified and certified with Microsoft Active Directory, Microsoft Radius Authentication Server, Exchange, SQL Server, Disaster Recovery, Sharepoint, Clustering Services, and Unified Communications.

4.14. Vendor MUST provide services for migration support for re-platforming on an as needed basis and will bill hours as utilized on a monthly basis, Separate invoices must be provided for work done for the WVL. Invoices shall include all activity detail.

4.15. Vendor MUST provide a Solution which must be jointly developed with VMware and be tightly integrated with VMware products, e.g. vSphere, vSAN, vCenter.



- 4.16. Solution must have a single point of support for all of the integrated components, including the hypervisor, from a single call, single contract, backed by a monitored dial-home secure remote connection for monitoring, diagnosis, and repair.
- 4.17. Solution must provide Quality of Service on a per-VM basis.
- 4.18. Solution must provide Storage Policy Based Management on a per-VM basis.
- 4.19. Solution must offer a full complement of data efficiency services, including deduplication, compression, and erasure coding as inline processes.
- 4.20. Solution must be able to apply storage policy rules to individual VM objects dynamically no matter where the VM is running in the cluster.
- 4.21. Solution must be able to provide data at rest encryption.
- 4.22. Solution must provide for each node type designed to meet 99.999% uptime.
- 4.23. Solution must provide all of the appliance hardware and software lifecycle management with one-click, non-disruptive patches and upgrades, which includes updating the software managed by the appliance, e.g. vSphere, vSAN, VxRail, vCenter, and even vSphere.
- 4.24. Solution must be optimized for all-flash supporting over 76 TB of flash per cluster.
- 4.25. Solution must be able to start small and scale on-demand non-disruptively from 3 nodes up to 64 nodes.
- 4.26. Solution must have the ability to scale-out one node at a time with just one click non-disruptively—and once added, automatically rebalances resources and workloads across the cluster, creating a single pool of resources.
- 4.27. Solution must have the ability to add or replace drives in each node without taking a node or cluster offline.
- 4.28. **Solution shall provide VXRail : (6 nodes per location) Hardware Specifications or equal:**

- 4.24.1. Vendor shall provide twelve (12) VXRail or equal hyper-converged infrastructure appliances powered with integrated VMware hyper converged software. The VXRail shall be Dell/EMC VXRail500 E560 Hybrid & E560F All Flash (AF) or equal components. With six VXRail appliances at each location, the Lottery can withstand a two (2) appliance failure with no loss of data or availability, any alternative proposal must

provide the same level of redundancy. Hardware shall be configured with the following factory installed components:

- 4.24.1.1. Vendor shall provide licensing for twelve (12) VX-RAIL 14G Software Manager EMDL V4.7=MA, # VXR-14G-MGR-DE-4.7 or equal.
- 4.24.1.2. Each appliance shall include one (1) VXRAIL-500 1U1N 10X2.5 NON-NVME AF # SYSE5601SVENF or equal.
- 4.24.1.3. Each appliance shall include one (1) VXRAIL-500 1S 8 HIGH PERF FAN 165W/GRT or equal.
- 4.24.1.4. Each appliance shall include two (2) C13-C14 power distribution unit rack power cords, two meter North American, #PWR200VRACK or equal.
- 4.24.1.5. Each appliance shall include one (1) VXRAIL-500 INTEL CPU 6248 20C 2.5 GHZ 20C/40T 1S F, #PROGD62481SF or equal.
- 4.24.1.6. Each appliance shall include one (1) VXRAIL-500 VXRAIL-500 RISER R640 CONFIG4 LP, # RISER640CNFG4SNGL or equal.
- 4.24.1.7. Each appliance shall include six (6) VXRAIL-500 MEMORY 16GB 2933MT RDIMM F, # MEM16G2933MTF or equal.
- 4.24.1.8. Each appliance shall include one (1) VXRAIL-500 FACTORYORD RQ 2933MHZ RDIMMS, # RDIMM22933INFO or equal.
- 4.24.1.9. Each appliance shall include one (1) VXRAIL-500 NDC SFP28 DP 25GB F, # NDCSFP28DP25GF or equal.
- 4.24.1.10. Each appliance shall include four (4) VXRAIL-500 CAPACITY SAS SSD 3.84TB1WPD, # CAPSSD384TB1WPDVX5 or equal.
- 4.24.1.11. Each appliance shall include one (1) VXRAIL-500 CACHESSD 800GB10WPD 2.5INCH Flash [10 writes per Day], # SSD800GB10WPD25F or equal.
- 4.24.1.12. Each appliance shall include one (1) VXRAIL-500 USA SHIPMOD F, # INSTLCTRYUSAFR640F or equal.
- 4.24.1.13. Each appliance shall include one (1) VXRAIL-500 1S 5 STD FAN LESS THAN 165W or equal. #1S5STDFANE560165L or equal.

- 4.24.1.14. Each appliance shall include one (1) VXRAIL-500 1S E560 165WL HTK DIMM BLNK. # 1SE560HSKDM165OL or equal.
- 4.24.1.15. Each appliance shall include one (1) VXRAIL-500 NO SECOND PROCESSOR # PR-NO-2ND-PROCVXR5 or equal.
- 4.24.1.16. Each appliance shall include one (1) VXRAIL-500 A7 RRAILS II WITH CMA 1U1N AF # RRAILKIT1U1NCMAAF or equal.
- 4.24.1.17. Each appliance shall include one (1) VXRAIL-500 INSTALL KIT SFP28 25GB AF, # INSTLKITSFP28F or equal.
- 4.24.1.18. Each appliance shall include one (1) VX-RAIL-500 TPM [trusted platform module] 1.2 Module all flash, #TPM1.2MODULEAF, or equal.
- 4.24.1.19. Each appliance shall include one (1) VX-RAIL-500 dual hot plug 1100 Watt power supply, #PS1100WPSF or equal.
- 4.24.1.20. Equipment shall include five (5) year Dell/EMC PROSUPPORT PLUS VSAN ENT HW SUPP 5 YEAR, # M-PSP-HW-J-003-5Y or equal. See Appendix II.

**4.29. Each of the twelve (12) nodes shall include the following manufacturer authorized integrated VMware software components necessary for the operation of the VXRAIL Hyper Converted Network Appliance (or equal):shall provide VXRail : (6 nodes per location) Hardware Specifications or equal:**

- 4.25.1 Vendor shall provide licensing for twelve (12) VX-RAIL 14G Software Manager EMDL V4.7=MA, # VXR-14G-MGR-DE-4.7 or equal.
- 4.25.2 Vendor shall provide licensing: twelve (12) Recover Point for VM for one (1) node HCIA, #458-001-937 or equal.
- 4.25.3 Vendor shall provide licensing for twelve (12) Recover Point for FM for one (1) Node HCIA = 1B,#456-111-959 or equal.
- 4.25.4 Vendor shall provide Sixty (60) months Prosupport Plus Software Suppor, #M-PSP-SW-D3-001 or equal. See Appendix II.
- 4.25.5 Vendor shall provide twelve (12) Vxrail VMware Vsan Enterprise #458-002-519 or equal.

- 4.25.6 Vendor shall provide VXRAIL VMWARE VSANENTERPRISE 5Y MAINT=IG, # 456-113-811 or equal.
- 4.25.7 Vendor shall provide PROSUPPORT PLUS VSAN ENT SW SUPPORT, # M-PSP-SW-J-007 or equal. See Appendix II.
- 4.25.8 Vendor shall provide twelve (12) Vxrail Hci System Software (G F)=IG, # VXROSGDPROCSF or equal.
- 4.25.9 Vendor shall provide PROSUPPORT PLUS SOFTWARE SUPPORT # M-PSP- SW-J-001 or equal. See Appendix II
- 4.25.10 Vendor shall provide VXR HCI SYSTEM SOFTWARE (CAP 3.84 SAS)=CF # VXROS3.84SASF or equal.
- 4.25.11 Vendor shall provide PROSUPPORT PLUS SOFTWARE SUPPORT # M-PSP- SW-J-001 or equal. See Appendix II

**4.26. Installation, configuration and deployment for VXRAILHyper Converged Solution for Primary and Hot-Site Locations:**

- 4.26.1. Vendor shall provide Dell/EMC badged employees to perform DELL-EMC onsite installation for twelve (12) VXRAIL nodes, # PS-PDP-VXRDP or equal.
- 4.26.2. Manufacturer installation services shall be performed on-site at hours designated by Lottery to not interfere with daily operations.
- 4.26.3. Vendor shall provide DELL-EMC services required to configure primary and Hot-Site systems.
- 4.26.4. Vendor shall provide DELL-EMC planning and services for migration of existing VM's to new Virtual Environment, #PS-BAS-IDMVA, #PS-BAS-IDMVA, #PS-BAS-IDMVE or equal.
- 4.26.5. Manufacturer shall provide services necessary to configure system backup capabilities to provide for a seamless transition from the primary site hardware to the failover system hardware located in Bridgeport, WV and back again for both SRM and RPVM or equal.
- 4.26.6. Vendor shall provide DELL-EMC (30) thirty-day post deployment assistance including technical support for hardware, software and installation services for VXRAIL, two (2) #PS-PDP-P30VXRAIL equal.
- 4.26.7. Vendor shall provide training for post deployment knowledge transfer regarding hardware and support operation for the four (4) WV Lottery employees responsible

for the day-to-day operation of the system Qty. 12,000 # CE-PDPHCITC0001 or equal.

4.26.8. Vendor shall provide DELL-EMC local deployment necessary to configure two (2) onsite Recover Point for VM Remote replacement implementation for one CG, PS-PDP-RP4VMDP or equal.

4.26.9. Vendor shall provide DELL-EMC local deployment services necessary for the configuration of two (2) top of rack switches and connectivity to West Virginia Lottery network, pro deployment plus, #PS-PDP-IPTORSWCOS or equal.

4.26.10. Vendor shall provide DELL-EMC Site Level Controlled secure remote diagnostic system capability required to remotely access and troubleshoot system issues, #PSINST-ESRS or equal.

4.26.11. Vendor shall provide (3) Dell-EMC three residency services for HCI TR, #PS-BAS-VXRTRRES or equal.

**4.27. Solution must include Dell/EMC/VMWARE Data Protection/Recoverpoint services consisting of two (2) separate hardware appliances with one for the primary data center and the second configured for a backup/failover location.**

4.27.1. The primary site will be located at the Data Center at 900 Pennsylvania Ave in Charleston WV. The Hot-Site Failover Data Protection Appliance will be located at the Bridgeport, WV Disaster Recovery Site at 64 Sterling Dr. 26330 or equal.

4.27.2. Solution must deliver high-throughput, inline deduplication using economical storage hardware.

4.27.3. Solution must speed backups to reduce the backup window.

4.27.4. Solution must have built-in fault avoidance and containment.

4.27.5. Solution must have built-in continuous fault detection and healing.

4.27.6. Solution must be simple to install and provide multiprotocol connectivity.

4.27.7. Solution must provide advanced integration with VMware vSphere VDP.

4.27.8. Solution must support backups and restores directly from Microsoft SQL.

4.27.9. Solution must be able to natively tier de-duplicated data to public or private cloud object storage for long-term retention.

- 4.27.10. Solution must allow for multiple Ethernet links to be aggregated together for increased performance and failover.
- 4.27.11. Solution must de-duplicate globally across the entire system and across backup application type.
- 4.27.12. Solution must provide NFS, CIFS, and DD Boost interfaces at the same time in the same system.
- 4.27.13. Solution must simultaneously support standard applications, platforms, and protocols.
- 4.27.14. Solution must be able to act as a destination for archive storage and have the ability to lock files from being edited after they have been archived.
- 4.27.15. Solution must be mature, tested, and widely deployed.
- 4.27.16. Solution must perform high-speed de-duplication.
- 4.27.17. Solution must deliver network-efficient replication
- 4.27.18. Solution must provide the ability for quick and easy Disaster Recovery testing.
- 4.27.19. Solution must replicate at the same time as backups with no requirement for a specific "replication window".
- 4.27.20. Solution must include built-in functionality to continually verify that the data stored on the system can be accessed and restored in its original form.
- 4.27.21. Solution must be capable of managing encryption keys using RSA Data Protection Management.
- 4.27.22. Solution shall be designed to provide ultra-safe and reliable recovery.
- 4.27.23. Solution must enable the backup application to control replication.
- 4.27.24. Solution must support replication bandwidth throttling.
- 4.27.25. Solution must be capable of encrypting data-in-flight for replication.
- 4.27.26. Solution must reduce costs, ensure environmental efficiencies, and provide operational simplicity.
- 4.27.27. Solution must be capable of encrypting data-at-rest.
- 4.27.28. Solution must support both IPv6 and IPv4 for replication.
- 4.27.29. Solution must provide automated reporting capability of complete system status.

- 4.27.30. Solution shall provide a web-based management interface capable of monitoring multiple systems.
- 4.27.31. Solution must break up data into variable length segments.
- 4.27.32. Solution must always de-duplicate inline before data is written to disk.
- 4.27.33. Solution must provide role based access control security.
- 4.27.34. Solution must rely on CPU and memory—not disk drives—for performance.
- 4.27.35. Solution must improve management and provide operational simplicity, by providing the ability to manage systems with a well organized interface with an intuitive manner of screen navigation..
- 4.27.36. Solution must perform recoveries from data-at-rest in a deduplicated and compressed state.
- 4.27.37. Solution must provide real-world statistics that show de-duplication ratios for specific data types.
- 4.27.38. Solution must provide Instant Access capabilities for Virtual Machines.
- 4.27.39. Solution must have Physical Capacity Reporting capability for chargeback & capacity planning.
- 4.27.40. Solution must support Key Management Interoperability Protocol (KMIP) for data-at-rest encryption.
- 4.27.41. Solution must have written Deduplication Guarantee for data protection of up to 55:1.
- 4.27.42. Solution must include built in data migration tools.
- 4.27.43. Solution must include three (3) Year Satisfaction Guarantee on Storage, HCI, IDPA to meet equipment minimum specs.
- 4.27.44. Solution must be complete, minimizing total cost of ownership and leveraging current investments.
- 4.27.45. Solution must provide quick restoration of data that is backed up or archived to meet corporate and government compliance requirements and to maximize productivity.
- 4.27.46. Solution must be flexible to address a wide range of application and business needs, including both structured data (such as databases) and unstructured data (such as e-mails, documents, and video).



- 4.27.47. Solution must maximize data availability to keep business operational across the enterprise, with a goal of 99.999% uptime.
- 4.27.48. Solution must maximize information security and minimize the risks of downtime, data loss/corruption, unauthorized access, and compliance failure.
- 4.27.49. Solution must be able to handle expected and unexpected growth easily, cost-effectively, and with minimal disruption to business activities.
- 4.27.50. Solution must be able to add capacity up to 96 usable TB by increasing licensing without hardware or software upgrades.
- 4.27.51. Solution must be in a factory-integrated 2u form factor including the backup application, protection storage, and include reporting and search capabilities.

#### **4.28. DATA PROTECTION (IDPA/RECOVERPOINT) Hardware**

- 4.28.1. Vendor shall provide two (2) Dell/EMC Primary/Hot-Site Data Protection Appliances ANCHOR DP APPLIANCE 4400 # DPAPPL\_4400 or equal and must include the following manufacturer approved or equal hardware components for each appliance or equal:
- 4.28.2. Vendor shall provide six (6) DP4400 12 TB capacity expansion pack, #DP4400\_12TB\_Pack, or equal.
- 4.28.3. Vendor shall provide two (2) integrated data protection appliance DP4400 24 TB with (8) eight network interface small form factor pluggable 10 GB drives SFP, #DP4400\_24TB\_SFP8 or equal.
- 4.28.4. Vendor shall provide eight (8) transceiver 10 GB Ethernet SFP + DP4400 300 meter, #DPXCVR-10GBE-4400 or equal.
- 4.28.5. Vendor shall provide eight (8) 10 meter LC to LC Cable kit, #DPCBL-LC-OM4-10ME or equal.
- 4.28.6. Vendor shall provide two (2) PROSUPPORT PLUS HARDWARE SUPPORT, #M- M-PSP-HW-DD-E1 or equal. See Appendix II
- 4.28.7. Vendor shall supply two (2) PARTS RETENTION UPLIFT DPAD-E # M-PARTRT-PR3-DPE or equal.

#### **4.29 Dell/EMC Primary/Hot-Site Data Protection Appliance shall include the following manufacturer authorized software components:**

- 4.29.1 Vendor shall provide licensing for EMC Granular Recovery Microsoft High=CA # 458-002-484 or equal.

- 4.29.2** Vendor shall supply two (2) PARTS RETENTION UPLIFT DPAD-E # M-PARTRT-PR3-DPE or equal.
- 4.29.3** Vendor shall provide DELL-EMC Prosupport Plus Software Support # M-PSP-SWQ-DD-H1 or equal. See Appendix II
- 4.29.4** Vendor shall provide one (1) Integrated Data Protection Appliance search engine PS-BAS-DPSI Data Search Utility.
- 4.29.5** Vendor shall provide two (2) DATA PROTECTION CENTRAL ENTRY=CA # 458-002-414 or equal.
- 4.29.6** Vendor shall provide two (2) PROSUPPORT PLUS SOFTWARE SUPPORT # M-PSP-SW-DD-E1 or Equal. See Appendix II
- 4.29.7** Vendor shall provide two (2) IDPA DP4400 ENV CONFIG # 458-002-436 or equal.
- 4.29.8** Vendor shall provide two (2) IDPA BU APP ENABLER ENTRY=IA, # 456-113-621 or equal.
- 4.29.9** Vendor shall provide two (2) ANALYTICS ENABLER ENTRY=CB, # 456-113-623 or equal.
- 4.29.10** Vendor shall provide two (2) FEDERATED REPORTING SERVER ENTRY=IA, # 456-113-620 or equal.
- 4.29.11** Vendor shall provide two (2) IDPA TARGET PROTOCOL ENABLER ENTRY=CA, # 456-113-661 or equal.
- 4.29.12** Vendor shall provide two (2) IDPA BU SEARCH ENABLER ENTRY=CA, # 456-113-624 or equal.
- 4.29.13** Vendor shall provide ten (10) DP4400 CAPACITY ENABLER DDVE 12TB=CC, # 456-107-987 or equal.
- 4.29.14** Vendor shall provide two (2) VREALIZE ENABLER ENTRY=IA, # 456-113-622 or equal.
- 4.29.15** Vendor shall provide One Hundred Twenty (120) IDPA BOOSTFS 1 TB RAW ENABLER ENTRY=CB, # 456-113-781 or equal.
- 4.29.16** Vendor shall provide two (2) PROSUPPORT PLUS SOFTWARE SUPPORT, # M-PSP-SW-DD-E1 or equal. See Appendix II
- 4.29.17** Vendor shall supply two (2) DP4400 DD CLOUD DR ESSENTIALS 5TB=CC, # 458-002-482 or equal.

**4.29.18** Vendor shall supply three (3) PROSUPPORT PLUS SOFTWARE SUPPORT, # M-PSP-SW-DD-E1 or equal. See Appendix II

**4.29.19** Vendor shall provide licensing for one (1) Integrated Data Protection Advisor DPA Basic Quickstart # PS-BAS-DPA or equal.

**4.29.20** Vendor shall provide Data Protection advisor for DPS Base Implementation service #PS-BAS-DPADPS or equal.

**4.30. Installation, configuration and deployment for Primary and Hot-Site Data Protection Appliance.**

- 4.30.1.** Manufacturer shall provide Dell/EMC badged employees to perform onsite installation for Primary Site and Hot-Site Data Protection Appliance.
- 4.30.2.** Manufacturer implementation services shall be performed on-site at Lottery discretion to minimize business impact.
- 4.30.3.** Vendor shall provide service for Implementation of Data Protection Suite in a replicated Environment #PS-BAS-DPSVMR or equal.
- 4.30.4.** Vendor shall provide DPA Implementation for DPS ADD-ON #PS-BAS-DPADPSA or equal.
- 4.30.5.** Vendor shall provide two (2) IDPA DDOS 6.2 VIRTUAL EDITION=IA, # IDPA\_DDVE\_62 or equal.
- 4.30.6.** Vendor shall provide DELL-EMC training for post deployment knowledge transfer regarding hardware and support operation for WV LOTTERY Four (4) employees responsible for the day-to-day operation of the system, #CE-PDPTC0001 Qty. 13,500 or equal.
- 4.30.7.** Vendor shall provide DELL-EMC services required for the installation of two (2) Integrated Data Protection Appliances (one at the primary site in Charleston, WV and the second device shall be installed at the secondary site in Bridgeport, WV. , #PS-DPD-IDPAVEOS, and PS-BAS-IDPAVE or equal.
- 4.30.8.** Vendor shall provide two (2) DELL-EMC on-site thirty-day post deployment assistance for Integrated Data Protection Appliance, #PS-PDP-P30IDPA or equal.
- 4.30.9.** Vendor shall provide one (1) DELL-EMC on-site thirty-day post deployment assistance for Recoverpoint for VM's # PS-PDP-P30RP4VM or equal.

- 4.30.10. Vendor shall provide one (1) DELL-EMC residency onsite support for data protection system installation and configuration – TR, #PS-BAS-DPTRRES or equal.
- 4.30.11. Vendor shall provide twelve (12) DELL-EMC BRS Project Management Hours QS #PS-BAS-PMBRS or equal.
- 4.30.12. Vendor shall provide one (1) DELL-EMC Implementation of Recoverpoint VM's for VMS #PS-BAS-RPVMGL or equal.
- 4.30.13. Vendor shall provide five (5) DELL-EMC PS-PDADT-ODPDTECH for Additional deployment engineering time for Data Protection or equal.
- 4.30.14. Vendor shall provide DELL-EMC local deployment necessary to configure Onsite Remote Replication implementation for one CG, PS-PDP-RPVMRROS or equal.

#### 4.31. ISILON Specifications

- 4.31.1. Solution must include Dell-EMC **Isilon Storage solution** consisting of two (2) clusters with three (3) nodes each. one (1) cluster for primary location and a second cluster configured and implemented at the hot-site backup/failover location.

The primary site will be located at the Data Center at 900 Pennsylvania Ave in Charleston WV. The Hot-Site backup/Failover Isilon cluster will be located at the Bridgeport, WV Disaster Recovery Site at 64 Sterling Dr. 26330 or equal. Solution must meet the following capabilities:

- 4.31.2. Solution must have Smartlock Worm Feature with ability to select data by policy to apply custom file protection policies such as WORM or equal.
- 4.31.3. Solution must have a built in load balancer function to balance client connections across active nodes.
- 4.31.4. Solution shall have wide native protocol support – Must include common file protocols including NFS, SMB V3, CIFS, HDFS, TP, and FTP or equal.
- 4.31.5. Solution must include Smartfail capability to replace nodes non-disruptively for life cycle management. Migration of data to new hardware must be handled on the backend by the native file system (FS) or equal.
- 4.31.6. Solution must support smart pools that include the capability to tier multiple storage pools. Including Archive Tiering on premise and in the cloud to public cloud and must be transparent to the end user or equal.
- 4.31.7. This solution must support multi tenancy and policy based management or equal.

- 4.31.8. This solution must support Disaster Recovery/Failover (DR/FO) capability including policy based snapshots and replication features and have automated failover capability or equal.
- 4.31.9. This solution must include auditing and reporting features to enable end users to locate mistakes and recover missing folders/files from snapshots or equal.
- 4.31.10. This system must include system management console with reporting and management functions or equal.

#### **4.32. Isilon Hardware Specifications:**

- 4.32.1. Vendor shall provide three (3) Dell/EMC Isilon Generation 5 Production Hardware Appliance or equal components for each of the Primary and Hot-Site locations.
- 4.32.2. Hardware shall be configured with the following factory installed components:
  - 4.32.2.1. Vendor shall provide six (6) Promo X210-11T+200G SSD/24G/2X10GE 2X1GE with #X210-SATA-S03-P or equal.
  - 4.32.2.2. Vendor shall provide six (6) 24GB RAM (NEXT GEN) #612-0027 or equal.
  - 4.32.2.3. Vendor shall provide ten (10) power cord kits for Generation 5 normal chassis, #800-0012-P or equal.
  - 4.32.2.4. Vendor shall provide six (6) transceivers 10 GbE Dual Port /2 (SFP+) without optics, #613-0008 or equal.
  - 4.32.2.5. Vendor shall provide six (6) 2X10GbE (SFP+) backend without optics, #851-0099-P or equal.
  - 4.32.2.6. Vendor shall provide twelve (12) PROMO CABLE, IB QDR, QSFP-QSFP, 3M, #851-0209-P or equal.
  - 4.32.2.7. Vendor shall provide six (6) 11TB+200GB SSD/ 3.5IN, #611-0005 or equal.
  - 4.32.2.8. Vendor shall provide four (4) Infiniband Switches Promo MELLANOX 8 PORT QDR SWITCHES #851-0167-P or equal.
  - 4.32.2.9. Vendor shall provide two (2) parts retention uplift (Isilon) #M-PARTRT-PR3-I01 (Isilon) or equal.
  - 4.32.2.10. Vendor shall provide two (2) Dell-EMC Prosupport Plus Hardware Support, # M-PSP-HW-IUE-001 for Isilon Hardware

or equal. See Appendix II

**4.33.Dell/EMC Isilon Generation 5 Performance Production Solution shall include the following manufacturer authorized software components for Primary and Hot-Site locations:**

- 4.33.1. Vendor shall provide licensing and software for six (6) SW: STARTER PROMO ENT BUNDLE T2 GEN5 =ID #201-0347-CF or equal.
- 4.33.2. Vendor shall provide two (2) Dell-EMC Prosupport Plus Software Support, # M-PSP-SW-IUE-001 for Starter Promo Enterprise software bundle, or equal. See Appendix II
- 4.33.3. Vendor shall provide licensing and software for six (6) Enterprise - SyncIQ Tier 3 GEN5=ID #200-0263-CF or equal.
- 4.33.4. Vendor shall provide one (1) DELL-EMC Prosupport Plus Software Support, # M-PSP-SW-I-001 for SyncIQ or equal. See Appendix II
- 4.33.5. Vendor shall provide licensing and software for six (6) NSIGHTIQ for ONEFS GEN5=ID Insight IQ Console #200-0404-CF or equal.
- 4.33.6. Vendor shall provide two (2) #M-PSP-SW-I-001 Dell-EMC Prosupport Plus software Support for Insight IQ or Equal. See Appendix II
- 4.33.7. Vendor shall provide licensing and software for six (6) Enterprise-Smartlock TIER 3 GEN5=ID Worm Feature #200-0986-CF or equal.
- 4.33.8. Vendor shall provide two (2) M-PSP-SW-I-001 Prosupport Plus Software Support for Smartlock or equal. See Appendix II
- 4.33.9. Vendor shall provide licensing and software for one (1) Superna EyeGlass 2 cluster bundle. SEL IGLS STARTER SUITE 2 CLSTR BUNDLE 5Y # IGLS-CB-5YR or equal.

**4.34. Installation, configuration and deployment for Isilon Generation 5 Performance Production Hardware Appliance for Primary and Hot-Site locations or equal components.**

- 4.34.1. Vendor shall provide Dell/EMC badged employees to perform onsite installation for Primary/Backup Site Isilon appliances or equal.
- 4.34.2. Vendor shall provide two (2) ProDeploy Plus Dell EMC deployment and implementation services for Isilon Advanced Bundle 2U. #PS-PDP-ISIADV2UDP or equal.

- 4.34.3. Vendor shall provide four (4) ProDeploy Plus Dell-EMC deployment services PDP ADDON, ISILON Add 1 2U Node, #PS-PDPAD-ISIAD2UIN or equal.
- 4.34.4. Vendor shall provide (2) Two ProDeploy Plus Dell-EMC Deployment services PDP ADDON, ISILON Add Feature 2U Node. #PS-PDPAD-ISIADF2DP or equal.
- 4.34.5. Vendor shall provide two (2) ProDeploy Plus Dell-EMC deployment services PDP ADDON, Isilon feature or workload. # PS-PDPAD-ISIADFEDP or equal.
- 4.34.6. Vendor shall provide two (2) ProDeploy Plus Dell-EMC deployment services PDP for ONEFS SYNCIQ, # PS-PDP-ISIOFSSYDP or equal
- 4.34.7. Vendor shall provide one (1) DELL-EMC Isilon IDM Data migration base service to migrate all files from FileServer to Isilon retaining file permissions and descriptors, #PS-BAS-ISIIDMB or equal.
- 4.34.8. Vendor shall provide Dell-EMC service to configure up to 10 Smartlock Folders #PS-BAS-ADSMLK or equal
- 4.34.9. Vendor shall provide four (4) onsite thirty day post deployment assistance for Isilon Advanced Generation 5 appliance, PS-PDP-P30Isilon or equal.
- 4.34.10. Vendor shall provide a quantity of two (2) residency service unit for Isilon Advanced Generation 5 Appliance for Two (2) Months, #PS-BAS-ISITTRES or equal.
- 4.34.11. Vendor shall provide DELL-EMC training for post deployment knowledge transfer regarding hardware and support operation for WV LOTTERY Four (4) employees responsible for the day-to-day operation of the system, # CE-ISLTC0001 Qty. 11,400 or equal.

#### **4.35. Active Directory Domain Controller Specifications**

- 4.35.1. Vendor shall provide the following computer components necessary to install configure and connect three (3) Physical and two (2) virtual Active Directory Windows 2016 Domain Controllers.
- 4.35.2. Vendor shall provide three (3) PowerEdge R340 Servers, # [210-AQUB], or equal components. Hardware shall be configured with the following factory installed components:
  - 4.35.3. Vendor shall provide three (3) Trusted Platform Module 2.0, # [461-AAEM] or equal.
  - 4.35.4. Vendor shall provide three (3) Trusted Platform Module 2.0, # [461-AAEM] or equal.



- 4.35.5. Vendor shall provide three (3) Trusted Platform Module 2.0, # [461-AAEM] or equal.
- 4.35.6. Vendor shall provide three (3) PowerEdge R340 Shipping, # [340-CHIJ] or equal.
- 4.35.7. Vendor shall provide three (3) Memory DIMM Type and Speed 2400MT/s UDIMMs, # [370-ADRB] or equal.
- 4.35.8. Vendor shall provide three (3) Memory DIMM Type and Speed 2400MT/s UDIMMs, # [370-ADRB] or equal.
- 4.35.9. Vendor shall provide three (3) Processor Intel® Xeon® E-2124 3.3GHz, 8M cache, 4C/4T, turbo (71W), # [338-BPYU] or equal.
- 4.35.10. Vendor shall provide three (3) Processor Thermal Configuration Heatsink for 80W or less CPU, # [412-AAPW] or equal.
- 4.35.11. Vendor shall provide three (3) Memory Configuration Type Performance Optimized, # [370-AAIP] or equal.
- 4.35.12. Vendor shall provide three (3) Memory Dimm Type and Speed 2666MT/s UDIMMs, # [370-AEKM] or equal.
- 4.35.13. Vendor shall provide six (6) Memory Capacity 8GB (1x8GB) 2666MT/s DDR4 ECC UDIMM, # [370-AEKN] or equal.
- 4.35.14. Vendor shall provide three (3) C3, RAID 1 for 2 HDDs or SSDs (Matching Type/Speed/Capacity), # [780-BCDN] or equal.
- 4.35.15. Vendor shall provide three (3) RAID/Internal Storage Controllers PERC H330 RAID Controller, Adapter for Hot Plug Chassis, # [405-AAMT] or equal.
- 4.35.16. Vendor shall Supply three (3) Hard Drives 480GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive, 3.5in HYB CARR, 3 DWPD, 2628 TBW, # [400-AZUN] or equal.
- 4.35.17. Vendor shall supply three (3) Additional Network Cards On-Board Broadcom 5720 Dual Port 1Gb LOM, # [542-BBBP] or equal
- 4.35.18. Vendor shall supply three (3) Intel X710 Dual Port 10GbE SFP+ Adapter, PCIe Full Height, # [540-BBHP] or equal.
- 4.35.19. Vendor shall supply three (3) Embedded Systems Management iDRAC9, Enterprise, # [385-BBKT] or equal.
- 4.35.20. Vendor shall supply three (3) iDRAC Group Manager, Disabled, [379-BCQY] or equal.



- 4.35.21. Vendor shall supply three (3) iDRAC Group Manager, Disabled, [379-BCQY] or equal.
- 4.35.22. Vendor shall supply three (3) iDRAC Factory Generated Password, [379-BCSF] or equal.
- 4.35.23. Vendor shall supply three (3) DVD ROM, SATA, Internal for Hot Plug Chassis, # [429-ABHM] or equal.
- 4.35.24. Vendor shall supply three (3) ReadyRails™ Sliding Rails without cable management arm, # [770-BCYU] or equal.
- 4.35.25. Vendor shall supply three (3) Bezel PowerEdge 1U Standard Bezel, # [325-BCHH], [350-BBSD] or equal.
- 4.35.26. Vendor shall supply three (3) BIOS and Advanced System Configuration Settings Performance BIOS Setting, # [384-BBBL] or equal.
- 4.35.27. Vendor shall supply three (3) Power Cords NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord, North America, #[450-AALV] or equal.
- 4.35.28. Vendor shall supply three (3) Power Supply Dual, Hot-plug, Redundant Power Supply, 350W, # [450-AEUV] or equal.
- 4.35.29. Vendor shall supply three (3) System Documentation No Systems Documentation, No OpenManage DVD Kit, # [631-AACK] or equal.
- 4.35.30. Vendor shall supply three (3) OS Media Kits No Media Required, # [619-ABVR],[605-BBFN] or equal.
- 4.35.31. Vendor shall supply three (3) Shipping Materials PowerEdge R340 Shipping Material for 3.5" Chassis, # [340-CHIK] or equal.
- 4.35.32. Vendor shall supply three (3) PCIe Riser with Fan with up to 1 FH/HL, x8 PCIe + 1 LP, x4 PCIe Gen3 Slots, # [330-BBMH], [384-BBWF] or equal.
- 4.35.33. Vendor shall supply three (3) – five (5) years, ProSupport Plus Mission Critical four (4) Hour Onsite Service, [822-7640], [822-7730], [822-7735], [822-7747], [951-2015], [955-9041] or equal. See Appendix III
- 4.35.34. Vendor shall supply three (3) - five (5)Years, ProSupport Plus Mission Critical four (4) Hour Onsite Service, # [804-6750], [804-6751], [812-4005] or equal. See Appendix III

**4.35.35.** Vendor shall supply three (3) five (5) Years, Keep Your Hard Drive, #[980-3634].

#### **4.36. Networking Specifications**

- 4.36.1.** Vendor shall provide the following networking components necessary to configure and connect the VXRAIL, Data Protection, and Isilon Storage appliances:
- 4.36.2.** Vendor shall provide Dell EMC a quantity of twenty-four (24) networking cable, SFP28 – 25G to SFP28 25GbE, passive copper, twinax, direct attachment, three meter attach kit #470-ACEV or equal.
- 4.36.3.** Vendor shall provide Dell Networking Cable, 100GbE QSFP28 to QSFP28, Passive 470-ABOU or equal.
- 4.36.4.** Vendor shall provide a minimum of four (4) Dell EMC SEL S5248F-ON Switch, 48x25GbE 28, 6x100GbE Q28, IO-PSU air, 2x PSU OS10 TAA, #210-APFC or equal.
- 4.36.5.** Vendor shall provide a quantity of twenty (20), Dell EMC Multimode Fiber LC/LC patch cables, MMF, OM4, Optics Required, three meter, #470-ACMF or equal.
- 4.36.6.** Vendor shall provide a quantity of twenty-four (24) , Dell EMC networking transceiver, SFP+, 10GbE, SR, 850nm, wavelength, 300 meter reach, #407-BBRI or equal.
- 4.36.7.** Vendor shall provide a quantity of four (4) Dell Networking Transceiver, 40GbE QSFP+ SR4 Optics 850nm Wavelength, 100-150M Reach on OM3/OM4 or equal.
- 4.36.8.** Vendor shall provide six (6) C2G 12m LC-LC 50/125 OM4 Duplex x Multimode Fiber Cable – Aqua – Patch Cable 12 m – Aqua #A7776145 or equal.
- 4.36.9.** Vendor shall provide six (6) C2G 8m LC-LC 50/125 OM4 Duplex Multimode Fiber Cable – Aqua – Patch Cable 8 m – Aqua #A7776130 or equal.
- 4.36.10.** Vendor shall provide a quantity of four (4) Dell EMC Layer 3 software enablement, software licensing to use L3 on OS9, S5048-ON, #634-BQCB or equal.
- 4.36.11.** Vendor shall provide a quantity of four (4) Dell EMC power cords, force 10, 125 volt, 15 amp, 10 feet, NEMA 5-15/C13 series, #450-AAFH or equal.
- 4.36.12.** Vendor shall provide a quantity of four (4) Dell EMC system documentation networking guides, #343-BBGU or equal.

- 4.36.13. Vendor shall provide a quantity of four (4) Dell EMC Pro Support Plus Mission Critical four hour onsite Hardware support, # 5248AMER5PPMC, #815-5868, #815-5909, 815-5916, 815-5917, 951-2015, 975-3461, 997-6306 or equal.
- 4.36.14. Vendor shall provide four (4) SEL S5248F-ON 1 YR RETURN TO DEPOT, # 5248AMER1RTD or equal.
- 4.36.15. Vendor shall provide telephone and collaborative access 24 hours per day, seven days per week, including holidays to Dell EMC customer service center to open technical support tickets.
- 4.36.16. Vendor shall provide a manufacturer single point of contact for the WV LOTTERY to establish and create service and troubleshooting cases for hardware, software and services provided under this contract.
- 4.36.17. Vendor shall provide both onsite and telephone technical assistance for troubleshooting hardware issues.
- 4.36.18. Vendor shall provide onsite dispatch of a technician within four business hours in response to technical issues.
- 4.36.19. Vendor shall provide delivery and installation of replacement parts no later than the next business day following the initiation of a service ticket.

#### **4.37. VMWARE Specifications for Installation, configuration, deployment and Training.**

- 4.37.1. VMware badged employees will assist with the development of the Customer's capability to do the following:
  - 4.37.2. Recover from data center outages
  - 4.37.3. VMware will provide the following services:
    - 4.37.3.1. Design a disaster recovery foundation
    - 4.37.3.2. Deploy a disaster recovery foundation
  - 4.37.4. The following are the high-level activities included in this project:
    - 4.37.4.1. Design – Solution design through a series of workshops and consultation.
    - 4.37.4.2. Implement – Deployment and verification of the solution.
    - 4.37.4.3. Knowledge Transfer – Knowledge transfer of the design, deployment and operations procedures.

- 4.37.5. Vendor shall provide professional services necessary for onsite and remote deployment for VMware Site Recovery Manager™ 8.x
- 4.37.6. Vendor shall provide SVC-CR-20 CONSULTING & TRAINING CREDITS - PREPAID SERVICES PSO CREDIT 1201-2000 QTY: nine hundred seventy five (975) to complete VMWARE Scope of work or Equal.
- 4.37.7. Vendor shall provide two hundred sixty (260) SVC-CR-20 Live Online Training VSphere: Fast Track V6.7 – 5 Days 4 persons or equal
- 4.37.8. Vendor shall provide one hundred four (104) SVC-CR-20. Live Online Training vSAN: Deploy & Manage V6.7 – 3 days 4 persons or equal.
- 4.37.9. Vendor shall provide sixty eight (68) SVC-CR-20 for Live Online Training SRM: Install, Configure Manage V6.1 - @ Days 4 persons or equal.
- 4.37.10. Vendor shall provide PS-PDADT-OISITECH for unforeseen issues with Centera Migration, Windows Files Server VM Migrations, NTFS Permissions changes – NT Security Groups etc. Vendor shall provide pricing for quantity of 1 with no obligation to purchase.
- 4.37.11. Vendor shall provide time for two (2) VNX 5300 ARRAY Drive Erasure #PS-BAS-CXDE or equal.
- 4.37.12. Vendor shall provide time for two (2) Centera ARRAY Drive Erasure #PS-BAS-CENNDE or equal.

#### **4.38. CUSTOM SERVICES SPECIFICATIONS Domain Controller**

- 4.38.1. Vendor shall provide WVL Active Directory Upgrade to 2016 level:
- 4.38.2. West Virginia Lottery (“WVL”) is looking for a strategic planning and workshop pertaining to an Active Directory Upgrade. The following elements covered in the discovery and planning will focus on current state, future state, security concerns, client/server activities and software compatibility. A formal document of best practices and recommendations will be provided at the end of this engagement. WVL has requested an estimate for an Active Directory Upgrade project. Assessment and discovery would be controlled to minimize interruption of services. This Rough Order of Magnitude (“ROM”) represents a high-level assessment of level of effort and timeline approximations, representing the budgetary cost estimate, to perform services required to meet deliverable objectives defined below.
- 4.38.3. Plan, design, and implement three (3) new Physical Dell domain controllers or equal and two (2) Virtual DC’s or Equal.

- 4.38.4. Plan, design, and implement – Demotion of current DC's both Physical and Virtual or equal.
- 4.38.5. Plan, design, implement – MSAD functional level to 2016 Vendor shall provide an hourly rate for assessment
- 4.38.6. Plan, design, implement – pertinent GPO changes, etc. as needed for new implementations or 2016 functional level migration Vendor shall provide an hourly rate for assessment (See wording)

#### **4.38.7. Assessment Phase**

- 4.38.7.1. Current state environments assessment, discovery and requirements gathering
- 4.38.7.2. Business and functional requirements
- 4.38.7.3. Technical requirements and constraints
- 4.38.7.4. Active Directory readiness
- 4.38.7.5. Group Policy Management
- 4.38.7.6. Discuss and review current state
- 4.38.7.7. Issues, risks
- 4.38.7.8. Opportunities for refinements/corrections/automation
- 4.38.7.9. Discuss and align to compliance requirements

#### **4.38.8. Planning Phase**

- 4.38.8.1. Domain Controller placement
- 4.38.8.2. Active Directory Features
- 4.38.8.3. Recycle Bin
- 4.38.8.4. Password Length and Restrictions
- 4.38.8.5. User Rights Assignments
- 4.38.8.6. Authentication methods
- 4.38.8.7. NTP Configuration
- 4.38.8.8. FSMO Role owners and placement
- 4.38.8.9. DHCP
- 4.38.8.10. DNS
- 4.38.8.11. Backups and Recovery
- 4.38.8.12. SYSVOL FRS/DFSR
- 4.38.8.13. SMB Protocol

#### **4.38.9. Build Phase**

- 4.38.10. Deploy AD domain controllers
- 4.38.11. Transfer FSMO roles and NTP
- 4.38.12. Transfer DHCP scopes
- 4.38.13. Decommission legacy domain controllers

#### **4.38.14. Deliverables**

4.38.14.1. In addition to the tasks defined in the “Scope and Approach” section above, Vendor will provide the following deliverables:

4.38.14.2. “Design and Planning” documentation

**4.38.15. Assumptions**

4.38.15.1. Appropriate key stakeholders will be identified prior to the discovery sessions commencing.

**4.38.16. Areas out of scope of this engagement include:**

4.38.16.1. Application compatibility testing for the entire West Virginia Lottery application catalog

4.38.16.2. Active Directory health remediation

**Product Level Releases**

**Current Environment**

Multiple 2008 Server R2 Standard/Enterprise AD

Exchange Server 2010

SQL Server 2008 R2

Radius Server

**Proposed Environment**

2016 Standard/Enterprise

Exchange Server 2016

SQL Server 2017

Radius Server 2016

**See Pricing Page for Cost per Hour Analysis**



#### **4.39 Minimum Requirements for alternative proposals to Dell EMC Vxrail/Isilon Server/Storage project (Or Equal).**

##### **4.39.1 General**

- 4.39.1.1 Software costs for Microsoft Server Operating Systems and SQL are not included in this project but are purchased under a separate contract. Alternative proposals that do not support these environments must include licensing costs for software.
- 4.39.1.2 Server based VMWare software licenses are not included in this project but are purchased under a separate contract. Alternative proposals that do not utilize VMWare must include licensing costs for software.
- 4.39.1.3 All systems and networking tasks will be provided onsite unless approved by West Virginia Lottery Management, alternative proposals must include those costs in their proposal.
- 4.39.1.4 Vendor MUST identify employees to be assigned to this project and provide resumes and documentation related to experience suitable for this project.
- 4.39.1.5 Vendor must be able to work flexible hours for certain maintenance to be performed after business hours. The vendor will not charge higher rates for after hours or emergency service.
- 4.39.1.6 Vendor shall transfer ownership of all Hardware and Software licenses to the West Virginia Lottery at the time the system “goes live”.

##### **4.39.2 VXRAIL (Hyperconverged Appliances for Servers in a Virtual Machine Environment)**

- 4.39.2.2 Vendor MUST provide services for migration support for all re-platforming from the existing environment to the new system on a as needed basis and will bill hours as utilized on a monthly basis.
- 4.39.2.3 Proposed Solution must have a single point of support for all of the integrated components from a single all, single contract backed by a monitored dial-home secured remote connection for monitoring, diagnosis, and repair.
- 4.39.2.4 Proposed Solution must provide Quality of Service on a per-VM basis.
- 4.39.2.5 Proposed Solution must be able to provide data at rest encryption.
- 4.39.2.6 Proposed Solution must be able to provide 99.999% uptime for each node.
- 4.39.2.7 Proposed Solution must be optimized for all flash supporting over 76 TB per cluster.

- 4.39.2.8 System must have the capability to scale-out one node at a time with just one click non-disruptively; it then automatically rebalances resources across the cluster, creating a single pool of resources.
- 4.39.2.9 Proposed Solution must provide all of the appliance hardware and software lifecycle management with one-click, non-disruptive patches and upgrades.
- 4.39.2.10 Proposed Solution must have the ability to add drives in each node without taking a node or cluster offline.
- 4.39.2.11 Vendor must provide twelve (12) hyper-converged infrastructure with six to be installed at the primary data center and the remaining six installed at the backup data center. This configuration must be able to withstand a two (2) appliance failure with no loss of data or availability.
- 4.39.2.12 Proposed Solution must include five (5) years hardware/support as part of their cost proposal, with certain hardware having a more critical level of support as defined in the RFQ detail (Pro Support Plus, see Appendix II vs Pro Support Plus Mission Critical, see Appendix III).
- 4.39.2.13 Vendor shall provide (30) thirty-day post deployment assistance including technical support for hardware, software and installation services.
- 4.39.2.14 Vendor shall provide training for post-deployment knowledge transfer regarding hardware and support operations for four (4) Lottery Employees responsible for day-to-day operation of the system.
- 4.39.2.15 Vendor shall provide secure remote diagnostic system capability to remotely access and troubleshoot system issues.
- 4.39.2.16 Vendor shall provide badged employees to perform onsite installation of twelve appliances.
- 4.39.2.17 Manufacturer installation services shall be performed on-site at hours designated by Lottery to not interfere with daily operations.

#### **4.39.2 Data Protection/Recoverpoint (Replication of Servers/VM recovery)**

- 4.39.2.1 Solution must provide for replication of data between the server nodes at the primary data center with those at the hot-site.
- 4.39.2.2 Solution must have built-in fault avoidance, healing and containment.
- 4.39.2.3 Solution must support backups and restores directly from Microsoft SQL.

- 4.39.2.4 Solution must be able to natively tier de-duplicated data to public or private cloud object storage for long-term retention.
- 4.39.2.5 Solution must allow for multiple Ethernet Links to be aggregated together for increased performance and failover.
- 4.39.2.6 Solution must replicate at the same time as backups with no requirement for a specific “replication window”.
- 4.39.2.7 Solution must support replication bandwidth throttling.
- 4.39.2.8 Solution must be capable of encrypting data in-flight for encryption.
- 4.39.2.9 Solution must be capable of encrypting data-at-rest.
- 4.39.2.10 Solution must support both IPV4 and IPV6 for replication.
- 4.39.2.11 Solution shall provide a web-based management interface capable of monitoring multiple systems.
- 4.39.2.12 Solution must always de-duplicate inline before data is written to disk.
- 4.39.2.13 Solution must provide statistics that show de-duplication ratios for specific data types.
- 4.39.2.14 Solution must support Key Management Interoperability Protocol (KMIP) for data-at-rest encryption.
- 4.39.2.15 Solution must have written De-Duplication Guarantee for data protection up to 55:1.
- 4.39.2.16 Solution must include built-in data migration tools.
- 4.39.2.17 Solution must maximize data availability to keep business operational across the enterprise, with a goal of 99.999% uptime.
- 4.39.2.18 Solution must be able to add capacity up to 96 usable TB by increasing licensing without hardware or software upgrades.
- 4.39.2.19 Manufacturer shall provide badged employees to perform on-site installation for Primary Site and Hot-Site Data Protection.

- 4.39.2.20 Manufacturer implementation services shall be performed on-site at Lottery locations to minimize business impact.
- 4.39.2.21 Vendor shall provide training for post deployment knowledge transfer regarding hardware and support operation for four (4) Lottery employees responsible for the day-to-day operation of the system.
- 4.39.2.22 Vendor shall provide two (2) on-site thirty day post deployment assistance for Data Protection Appliance.
- 4.39.2.23 Vendor shall provide one (1) on-site thirty-day support for Recoverpoint for VMs (or equal).

**4.39.3 ISILON Storage Sub-systems with replication between Lottery ata centers**

- 4.39.3.1 Isilon Solution or equal must perform replication between the disk clusters at the Primary Data Center and those at the Hot-Site.
- 4.39.3.2 Solution must have SmartLock Worm Feature with ability to select data by policy to apply custom file protection policies such as Write Once Read Many (WORM).
- 4.39.3.3 Solution must have a built-in load balancer function to balance client connections across active nodes.
- 4.39.3.4 Solution shall have wide native protocol support – Must include common file protocols including NFS, SMB V3, CIFS, HDFS, TP, and FTP among others.
- 4.39.3.5 Solution must include Smartfail capability to replace nodes non-disruptively for life cycle management. Migration of current system data to new hardware must be handled on the backend by the native file system.
- 4.39.3.6 Solution must support smart pools that include the capability to tier multiple storage pools, including Archive Tiering on premise and in the cloud to public cloud and which must be transparent to the end user.
- 4.39.3.7 Solution must support Disaster Recovery/Failover (DR/FO) capability including policy based snapshots and replication features and have automated failover capability.
- 4.39.3.8 Solution must include auditing and reporting features to enable end users to manage their files including the ability to locate mistaken file saves (wrong directory) and to recover missing folders/files from snapshots.
- 4.39.3.9 Solution must include system management console with reporting and management functions.

- 4.39.3.10 Vendor shall provide Three Hardware Appliances (clusters) for each of the Primary and Hot-Site locations.
- 4.39.3.11 Vendor shall provide badged employees to perform on-site installation for Primary and Backup Site appliances.
- 4.39.3.12 Vendor shall provide for deployment and implementation services.
- 4.39.3.13 Vendor shall provide data migration services from current file system to Isilon or equal appliances.
- 4.39.3.14 Vendor shall provide services to configure up to ten (10) Smartlock Folders.
- 4.39.3.15 Vendor shall provide training for post deployment knowledge transfer regarding hardware and support operation for four (4) Lottery employees responsible for day-to-day operation of the System.

#### **4.39.4 Active Directory**

- 4.39.4.1 All specifications pertaining to Active Directory are required for all vendors in order to maintain the architecture of existing Lottery systems.

#### **4.39.5 Networking**

- 4.39.5.1 Switch must include forty-eight 25GbE SFP28 ports, four 100GbE QSFP28 ports, and two 200GbE QSFP-DD ports.
- 4.39.5.2 Switch must include twenty-four (24) Networking Transceiver, SFP+, 10GbE, SR, 850nm, wavelength, 300 meter reach.
- 4.39.5.3 Switch must include four (4) Networking Transceiver, 40GbE QSFP+ SR4 Optics 850nm Wavelength, 100-150M Reach.

#### **4.39.6 VMWare**

- 4.39.6.1 VMWARE is an industry standard, the part specifications and the implementation template shown as Appendix I should provide sufficient guidance to a vendor proposing a non-VMWARE solution.

## APPENDIX I: VMWARE SERVICES REQUIREMENTS

### 1. Project Scope

The scope of the service includes the following.

#### 1.1 Design a disaster recovery foundation

Design of a disaster recovery solution that automates the transfer of virtual machines to recovery sites into production environments.

Specification	Parameters	Description
VMware Site Recovery Manager instances	Up to two (2)	VMware Site Recovery Manager instances designed.
Data centers	Up to two (2)	Data centers included in the design.
Site Recovery Manager mappings	Up to ten (10)	VMware Site Recovery Manager mappings designed.
Virtual machines (VMs) protected	Up to thirty-two (32)	Virtual machines protected with protection groups and recovery plans included in the design.

### 2. Deploy a disaster recovery foundation

#### 2.2. Site Recovery Manager Foundation Deploy

Deployment of a disaster recovery solution using VMware vSphere®, and VMware Site Recovery Manager™ according to a VMware standard architecture that is implemented and verified in the Customer environment. The solution use case entails the recovery of business applications if a site failure occurs, and provides a disaster recovery solution overview and a knowledge transfer session.

Specification	Parameters	Description
VMware Site Recovery Manager servers	Up to two (2)	Site Recovery Manager servers and databases installed and configured.
Data centers	Up to two (2)	Site Recovery Manager servers and databases installed and configured in up to 2 data centers.
Site Recovery Manager mappings	Up to ten (10)	Configuration of VMware Site Recovery Manager mappings.
Virtual machines (VMs) protected	Up to thirty-two (32)	Protection groups and recovery plans built for the specified number of virtual machines.



VMs to perform disaster recovery testing	Up to thirty-two (32)	Non-disruptive testing performed for the specified number of virtual machines.
Recovery plans	Up to ten (10)	Configuration of specified number of recovery plans.

### 2.2.2 Storage Replication Adapter (SRA) Deploy

Deployment of a storage replication adapter for storage array-based replication paired for each Site Recovery Manager server host.

Specification	Parameters	Description
Site Recovery Manager Up to two (2) installed and configured.	Vendor Storage Replication Adapters	Storage Replication Adapters

### 2.2.3 vSphere Replication (VR) Deploy

Deployment of VMware vSphere Replication for on-premises disaster recovery according to a VMware standard architecture that is implemented and verified in the Customer environment.

Specification	Parameters	Description
VMware vSphere Replication appliances	Up to two (2)	vSphere Replication virtual appliance pairing for each Site Recovery Manager instance installed and configured.

## 2.3 Out of Scope

The following are the out of scope items for this project.

### General

- Installation and configuration of custom or third-party applications and operating systems on deployed virtual machines.
- Operating system administration including the operating system itself or any operating system features or components.
- Management of change to virtual machines, operating systems, custom or third-party applications, databases, and administration of general network changes within Customer control.
- Remediation work associated with any problems resulting from the content, completeness, accuracy, and consistency of any data, materials, or information supplied by Customer.
- Installation or configuration of VMware products not included in the scope of this document.
- Installation and configuration of third-party software or other technical services that are not applicable to VMware components.
- Installation and configuration of Customer-signed certificates.
- Configuration of VMware products used for the service other than those implemented for the mutually agreed to use cases.

- Customer solution training other than the defined knowledge transfer session.

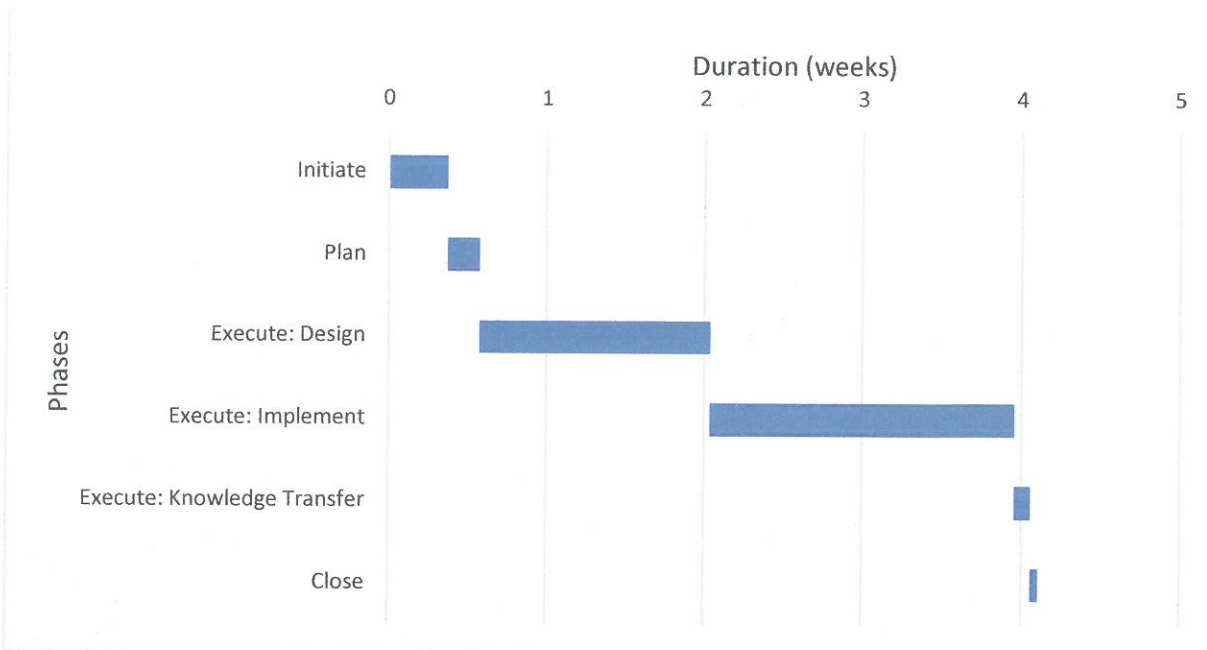
### Deploy a disaster recovery foundation

- Design and Implementation of Storage Based Replication solution.

## 2.4 Estimated Schedule

The project defined in this SOW is estimated to be for a duration of up to five (5) weeks. VMware consulting services will operate according to a schedule agreed to by both parties. The consulting services are performed during normal business hours and workdays (weekdays and non-holidays).

The following is an estimated outline of the duration of each phase in the project. Customer acknowledges that the estimated duration is indicative only and that VMware will not incur any penalty or forfeit any entitlement to payment, fees, or related expenses if the consulting services are not provided in accordance with the estimated duration.



## 3. Project Activities

### 3.1 Phase 1: Initiate

The VMware Project Manager hosts one (1) project initiation call with key Customer and VMware stakeholders. Topics to be discussed include the following:

- Project business drivers, scope, and objectives.
- Project deadlines, estimated timelines, scheduling, and logistics.
- Identification of key Customer team members with whom VMware will work to perform the tasks defined in this SOW.

- Participating team members are confirmed and contact details are exchanged to schedule the project kickoff meeting.

### **Deliverables**

- One (1) project initiation call

## **3.2 Phase 2: Plan**

VMware leads one (1) project kickoff meeting with Customer project sponsors and stakeholders to review expectations about the purpose of the engagement, the delivery approach, and estimated timelines. The following are the objectives of the meeting:

- Introducing the VMware team, roles, and responsibilities.
- Describing the project goals, phases, and key dates.
- Agreeing on communication and reporting process and creating a communications plan.
- Validating the project expectations and clarifying roles and responsibilities
- Confirming prerequisites are met as detailed in the solution checklist for specified solutions.
- Presenting the solution overview for specified solutions including expected project results and deliverables.

The VMware Project Manager and the Customer Project Manager collaborate to develop the project plan.

### **Deliverables**

- Cybersecurity solution checklist
- Cybersecurity solution overview presentation
- Communications plan
- One (1) project kickoff meeting
- Project Plan

## **3.3 Phase 3: Execute**

The key activities for this phase are organized in the following sub-phases:

- Design
- Implement
- Knowledge Transfer

### **3.3.1 Execute: Design**

VMware leads the Customer project team in a series of workshops to develop a design. VMware does the following:

- Conducts up to twelve (12) hours of design workshops.
- Documents the design for the specified VMware solutions in the solution design document(s).

### **Deliverables**

- Up to twelve (12) hours of design workshops
- Cybersecurity solution design document

### **3.3.2 Execute: Implement**

VMware implements the solution according to the VMware solution specification. VMware does the following:

- Implements the specified solutions as detailed in the specification workbooks.



- Verifies the implementation and documents results in the verification workbooks for the specified solutions.

#### Deliverables

- Cybersecurity solution specification workbook
- Cybersecurity solution verification workbook

### 3.3.3 Execute: Knowledge Transfer

VMware conducts knowledge transfer sessions covering the design, implementation, and operational considerations relating to the scope of this project. VMware does the following:

- Conducts up to four (4) hours of knowledge transfer sessions for appropriate Customer representatives.
- Provides an adoption guide document(s) containing operational guidance for the specified solutions.

Note: For the avoidance of doubt, the Knowledge transfers herein do not comprise VMware product

Training or certification courses as offered by the VMware Education unit (<http://mylearn.vmware.com/mgrreg/index.cfm>).

#### Deliverables

- Up to four (4) hours of knowledge transfer sessions
- Cybersecurity adoption guide document
- Cybersecurity knowledge transfer workshop presentation

## 3.4 Phase 4: Close

The VMware Project Manager conducts one (1) closure meeting with Customer covering project status, next steps, and how to engage further with VMware.

#### Deliverables

- Engagement summary presentation
- One (1) closure meeting

## 4. Service Checklist

Customer is responsible for executing all items discussed in the Service Checklist prior to arrival of VMware consultants on site.

The participation of the following Customer stakeholders is required for the Service to be performed:

- Infrastructure Architect
- VMware operations team leads
- Storage team leads
- Network Architecture team leads
- Enterprise Architect
- Backup/Recovery team leads
- Desktop operations leads

The following prerequisites are required to enable VMware to perform this Service:

#### Site Recovery Manager Design

- vCenter Server version. Defined minimum: VMware vCenter Server 6.5U3 • ESXi version. Defined minimum: VMware vSphere Hypervisor (ESXi) 6.0 or later

- Domain Name System required.
- Site Recovery Manager Version. Defined minimum: 8.1

#### Site Recovery Manager Deploy

- Virtualized CPU capacity (GHz). Defined minimum: Two (2) 2.0 GHz processors
- Virtualized RAM capacity (GB). Defined minimum: 2 GB
- Virtualized storage capacity (GB). Defined minimum: 5 GB
- Minimum available bandwidth required. Defined minimum: 1 Gigabit NIC or higher
- ESXi version. Defined minimum: VMware vSphere Hypervisor (ESXi) 6.0 or above • vCenter Server version. Defined minimum: VMware vCenter Server 6.5U3
- Domain Name System required.
- Site Recovery Manager version. Defined minimum: 6.5

## Appendix II - Terms for Pro Support Plus or Equal:

### Service Description

#### ProSupport Plus

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#### Introduction

#### The Scope of This Service

The features of this Service include:

- Access on a 24x7 basis (including holidays)<sup>1</sup> to a senior level VENDOR technical support resource from the VENDOR Customer Service and Support organization for troubleshooting assistance of Products as detailed in **Attachment A**.  
  
On-site dispatch of a technician and/or delivery of replacement parts to the Installation Site or other Customer business location approved by VENDOR as detailed in the Agreement (as necessary and according to support option purchased) to address a Product problem. Refer to **Attachment A** for more details on severity levels and onsite service options.
- Access to a remote Technology Service Manager (TSM) as specified in **Attachment A**.

In the event of a conflict between this document and an Attachment, the terms in the Attachment govern.

#### How to Contact Vendor if You Require Service

**Online, Chat, and Email Support:** Vendor website, chat, and email support available at [\(vendor site\)](#).

**Telephone Support Requests:** Available on a 24x7 basis (including holidays<sup>1</sup>). Availability may differ outside of the United States and is limited to commercially reasonable efforts unless otherwise specified in the applicable Attachment. Visit [\(vendor site\)](#) for a list of applicable telephone numbers for your location.

#### Collaborative Assistance

If a Customer opens a service request and VENDOR determines that the problem arises with an eligible third-party vendor's products commonly utilized in conjunction with Products covered by a current VENDOR warranty or maintenance contract, VENDOR will endeavor to provide Collaborative Assistance under which VENDOR: (i) serves as a single point of contact until the problems are isolated; (ii) contacts the third-party vendor; (iii) provides problem documentation; and (iv) continues to monitor the problem and obtain status and resolution plans from the vendor (where reasonably possible).

To be eligible for Collaborative Assistance, Customer must have the appropriate active support agreements and entitlements directly with the respective third-party vendor and VENDOR or an authorized VENDOR reseller. Once isolated and reported, the third-party vendor is solely responsible to provide all support, technical and otherwise, in connection with resolution of the Customer's problem. **VENDOR IS NOT RESPONSIBLE FOR THE PERFORMANCE OF OTHER VENDORS' PRODUCTS OR SERVICES.** View current Collaborative Assistance partners at <https://support.Vendor.com/docu85596>. Please note that supported third-party products may change at any time without notice to Customers.

<sup>1</sup> Availability varies by country. Contact your sales representative for more information.



## Attachment A ProSupport Plus for VENDOR Products<sup>2</sup>

The following chart lists the service features of ProSupport Plus provided under VENDOR's warranty and/or maintenance terms. ProSupport Plus is available as to:

1. VENDOR® Equipment which is identified on the [VENDOR Product Warranty and Maintenance Table](#) as
  - including ProSupport Plus during the applicable warranty period; or
  - eligible for upgrade to ProSupport Plus during the applicable warranty period; or
  - eligible for ProSupport Plus during a subsequent maintenance period.
2. VENDOR Software which is identified on the [VENDOR Product Warranty and Maintenance Table](#) as eligible for ProSupport Plus during a maintenance period.

SERVICE FEATURE	DESCRIPTION	PROSUPPORT PLUS COVERAGE DETAILS
GLOBAL TECHNICAL SUPPORT	Customer contacts VENDOR by telephone or web interface on a 24x7 basis to report an Equipment or Software problem and provides input for initial assessment of Severity Level*.	Included.  Initial response objective, based upon Severity Level, within the following time period after receipt of Customer contact: Severity Level 1: 30 minutes; on a 24x7 basis
	VENDOR provides (i) a response by remote means using a senior level VENDOR technical support resource for troubleshooting assistance based on the Severity Level of the problem; or (ii) when deemed necessary by VENDOR, Onsite Response as described below.	Severity Level 2: 2 hours; on a 24x7 basis  Severity Level 3: 3 local business hours
ONSITE RESPONSE	VENDOR sends authorized personnel to Installation Site to work on the problem after VENDOR has isolated the problem and deemed Onsite Response necessary.	Included for Equipment only.  Initial Onsite Response objective is based on Severity Level, within the following time period after VENDOR deems Onsite Support is necessary.  Severity Level 1: 4 hours on a 24x7 basis

<sup>2</sup> As used in this Attachment, "VENDOR Products", "Products", "Equipment" and "Software" means the VENDOR Equipment and Software identified on the VENDOR [Product Warranty and Maintenance Table](#).

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Severity Level 2: Within 12 hours on a 24x7 basis

Severity Level 3: Next business day, local business hours

Onsite Response does not apply to Software, but may be separately purchased.

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**REPLACEMENT  
PARTS DELIVERY**

VENDOR provides replacement parts when deemed necessary by VENDOR.

Included. Replacement part delivery objective is based upon Severity Level, within the following time period after VENDOR deems a replacement part is necessary:

Severity Level 1: 4 hours on a 24x7 basis

Severity Level 2: Within 12 hours on a 24x7 basis

Severity Level 3: Next business day, local business hours

Local country shipment cut-off times may impact the same day/next local business day delivery of replacement parts and the related Onsite Response.

Installation of all replacement parts performed by VENDOR as part of Onsite Response, but Customer has option to perform installation of Customer Replaceable Units (CRUs). See [VENDOR Product Warranty and Maintenance Table](#) for listing of parts designated as CRUs for specific Equipment.

If VENDOR installs the replacement part, VENDOR will arrange for its return to an VENDOR facility. If Customer installs the CRU, Customer is responsible for returning the replaced CRU to a facility designated by VENDOR.

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<b>RIGHTS TO NEW RELEASES OF SOFTWARE</b>	VENDOR provides the rights to new Software Releases as made generally available by VENDOR.	Included.
<b>INSTALLATION OF NEW SOFTWARE RELEASES</b>	VENDOR performs the installation of new Software Releases.	<p>Included for Software which VENDOR determines is Equipment operating environment Software and only when the associated Equipment into which the operating environment Software<sup>3</sup> is being installed is covered by an VENDOR warranty or then current VENDOR maintenance contract.</p> <p>Customer performs the installation of new Software Releases of Software (that is, Software not classified as Equipment operating environment Software), unless otherwise deemed necessary by VENDOR.</p>
<b>24X7 REMOTE MONITORING AND REPAIR</b>	<p>Certain Products will automatically and independently contact VENDOR to provide input to assist VENDOR in problem determination.</p> <p>VENDOR remotely accesses Products if necessary for additional diagnostics and to provide remote support.</p>	<p>Included for Products that have remote monitoring tools and technology available from VENDOR.</p> <p>Once VENDOR is notified of a problem, the same response objectives for Global Technical Support and Onsite Response will apply as previously described.</p>
<b>24X7 ACCESS TO ONLINE SUPPORT TOOLS</b>	Customers who have properly registered have access on a 24x7 basis to VENDOR's web-based knowledge and self-help customer support tools via the VENDOR Online Support site.	Included.

<sup>3</sup> Customers requesting installation of new Software Releases for the VENDOR system, including but not limited to Software versions posted on the VENDOR Simple Support Matrix, may be required to purchase a separate services engagement from VENDOR. Simple Support Matrix means a list of certified versions of software, firmware, and hardware for a specific release available at <https://support.vendor.com/products/42676>

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**TECHNOLOGY  
SERVICE MANAGER  
("TSM")**

The TSM provides the following Services to Customer by remote means (unless otherwise deemed necessary by VENDOR to provide onsite TSM support):

- Onboarding: Onboarding assistance consisting of (i) verifying the accuracy of relevant Customer support information such as account name, business unit identification, address, authorized contacts and other basic onboarding and set-up details; and (ii) explaining how to contact VENDOR to open service requests.
- Service Report: A report delivered MyService360® (or other VENDOR designated website) detailing:
  - Summary of open and closed service requests by month;
  - Verification of Equipment operating environment Software against target code recommendations; and
  - Contract status, including start/end dates and other basic contract details.
- Service Review: The TSM provides a service review of the details in the Service Report and such other topics mutually agreed upon by VENDOR and the Customer (if any) during Onboarding.

Included on Products covered by a ProSupport Plus warranty or then current maintenance contract during VENDOR's normal local business hours which may vary by region and country, excluding VENDOR and local holidays. See additional Coverage Details below.

Service Report: Included on a monthly basis for Products that have VENDOR's currently supported and approved remote monitoring tools and technology activated and enabled.

Service Review: Included on a periodic basis, no more frequently than monthly, for Products that have VENDOR's currently supported and approved remote monitoring tools and technology activated and enabled. The Service Review is delivered by the remote TSM at a schedule to be mutually agreed upon with the Customer.

System Maintenance: Included at Customer's request no more than twice<sup>4</sup> per calendar year for Products that have VENDOR's currently supported and approved remote monitoring tools and technology activated and enabled.

VENDOR is responsible for performing only the TSM activities and tasks expressly specified in this document. All other tasks, activities and services are out of scope.

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<sup>4</sup> For VENDOR Products System Maintenance is included at no more than once per calendar year.



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- System Maintenance: The TSM assists Customer in coordinating the implementation of the VENDOR recommendations provided during the Service Review, including the following:
    - Documenting the Customer's current Equipment operating environment Software version for the covered Product and identifying VENDOR's current target code version(s);
    - Identifying applicable Product notifications, including technical advisories (ETAs), field change orders (FCOs), security advisories (ESAs) and end of service life;
    - Providing scheduling assistance for FCOs; and
    - Verifying ESRS remote connectivity status.
  - Escalation Support: Escalation support and coordination of technical, business and critical issues within VENDOR.
- 

## CUSTOMER RESPONSIBILITIES FOR TSM SERVICE FEATURE

VENDOR's provision of the TSM service feature detailed above is contingent upon the Customer fulfilling the following responsibilities:

- Making an appropriate system maintenance window(s) available for the TSM as deemed necessary by VENDOR.
- Ensuring that all environment, technical and operational requirements are met.
- Providing the TSM with timely access to (a) at least one technical contact with system administration responsibilities and appropriate system/information access privileges, and (b) applicable subject matter experts, systems and networks (including, without limitation, remote systems/ network access) as deemed necessary by VENDOR.
- Assuming all responsibility for network connectivity, performance, and configuration issues.
- Verifying that the Equipment location(s) is/are prepared prior to the commencement of ProSupport Plus.

## RENEWAL OF MAINTENANCE CONTRACT

The following chart lists the additional service features included as part of a purchase of a renewal of a VENDOR ProSupport Plus maintenance contract for the eligible Products identified on the [VENDOR Product Warranty and Maintenance Table](#), subject to the Customer activating and maintaining the currently supported version(s) of VENDOR Secure Remote Support ("ESRS") software during the applicable renewal term. ESRS enablement is a prerequisite for these additional renewal service features.

SERVICE FEATURE	DESCRIPTION	PROSUPPORT PLUS— COVERAGE DETAILS
ENVIRONMENTAL ASSESSMENT	<ul style="list-style-type: none"> <li>• Verification of solid state drive ("SSD") wear levels**</li> <li>• Validation of remote connectivity activation.</li> <li>• Check for failed components in eligible Equipment.</li> <li>• Verification of Equipment operating environment Software against target code recommendations.</li> <li>• Validation of disk drive and component firmware levels.</li> <li>• Identification of field change orders, technical advisories, and security alerts that may impact the affected VENDOR Equipment.</li> <li>• Summary of open service requests</li> </ul>	<p>Included.</p> <p>Customer is eligible to request one (1) Environmental Assessment analysis per each twelve (12) month period during the applicable renewal term of a current ProSupport Plus maintenance contract.</p>
PROACTIVE SOLID STATE DRIVE REPLACEMENT	<p>If the Endurance Level (as defined below) for any solid state drive reaches five percent (5%) or less (as determined by VENDOR) during a then current renewal term of a ProSupport Plus maintenance contract, the Customer is eligible to receive a replacement solid state drive. Endurance Level means the average percentage of life span remaining on the eligible SSD.</p>	<p>Included.</p> <p>Response objective is based on the applicable Replacement Parts Delivery and Onsite Response service features detailed above.</p>

\*Severity Levels:

- **Severity 1—Critical:** loss of ability to perform critical business functions and requires immediate response.
- **Severity 2—High:** able to perform business functions, but performance/capabilities are degraded or severely limited.
- **Severity 3—Medium/Low:** minimal or no business impact.

**\*\* Available for solid state drives in eligible Equipment that persistently store Customer data, including metadata, as determined by VENDOR.**

The warranty periods and support options ("Support Information") on this website apply (i) only between VENDOR and those organizations that procure the applicable products and/or maintenance under a contract directly with VENDOR (the "VENDOR Customer"); and (ii) only to those products or support options ordered by the VENDOR Customer at the time that the Support Information is current. VENDOR may change the Support Information at any time. The VENDOR Customer will be notified of any change in the Support Information in the manner stated in the then current product ordering and/or maintenance related agreement between VENDOR and the VENDOR Customer, but any such change shall not apply to products or support options ordered by the VENDOR Customer prior to the date of such change.

VENDOR will have no obligation to provide Support Services with respect to Equipment that is outside the VENDOR Service Area. "VENDOR Service Area" means a location that is within (i) one hundred (100) drivable miles of an VENDOR service location; and (ii) the same country as the VENDOR service location, unless otherwise defined in your governing agreement with VENDOR, in which case the definition in the governing agreement prevails.

Products or services obtained from any VENDOR reseller are governed solely by the agreement between the purchaser and the reseller. That agreement may provide terms that are the same as the Support Information on this website. The reseller may make arrangements with VENDOR to perform warranty and/or maintenance services for the purchaser on behalf of the reseller. Please contact the reseller or the local VENDOR sales representative for additional information on VENDOR's performance of warranty and maintenance services on Products obtained from a reseller.



## Appendix III - Terms for Pro Support and Mission Critical Options or Equal:

### Service Description

#### ProSupport and the Mission Critical Option

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#### Introduction

##### The Scope of This Service

The features of this Service include:

- Access on a 24x7 basis (including holidays)<sup>5</sup> to the VENDOR Customer Service and Support organization for troubleshooting assistance of Products as detailed in **Attachment A**.
- On-site dispatch of a technician and/or delivery of replacement parts to the Installation Site or other Customer business location approved by VENDOR as detailed in the Agreement (as necessary and according to the support option purchased) to address a Product problem. Refer to **Attachment A** for more details on severity levels and onsite service options.

In the event of a conflict between this document and an Attachment, the terms in the Attachment govern.

##### How to Contact VENDOR if You Require Service

**Online, Chat, and Email Support:** VENDOR website, chat, and email support available at <https://support.Vendor.com/>.

**Telephone Support Requests:** Available on a 24x7 basis (including holidays). Availability may differ outside of the United States and is limited to commercially reasonable efforts unless otherwise specified in the applicable Attachment. Visit <https://support.Vendor.com> for a list of applicable telephone numbers for your location.

##### Collaborative Assistance

If Customer opens a service request and VENDOR determines that the problem arises in connection with an eligible third-party vendor's products commonly utilized in conjunction with Products covered by a current VENDOR warranty or maintenance contract, VENDOR will endeavor to provide Collaborative Assistance under which VENDOR: (i) serves as a single point of contact until the problems are isolated; (ii) contacts the third-party vendor; (iii) provides problem documentation; and (iv) continues to monitor the problem and obtain status and resolution plans from the vendor (where reasonably possible).

To be eligible for Collaborative Assistance, Customer must have the appropriate active support agreements and entitlements directly with the respective third-party vendor and VENDOR or an authorized VENDOR reseller. Once isolated and reported, the third-party vendor is solely responsible to provide all support, technical and otherwise, in connection with resolution of the Customer's problem. **VENDOR IS NOT RESPONSIBLE FOR THE PERFORMANCE OF OTHER VENDORS' PRODUCTS OR SERVICES.** View current Collaborative Assistance partners at <https://support.Vendor.com/docu85596>. Please note that supported third-party products may change at any time without notice to Customer.

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<sup>5</sup> Availability varies by country. Contact your sales representative for more information.

## Attachment A

### ProSupport and the Mission Critical Option for VENDOR Products<sup>6</sup>

The following chart lists the service features of ProSupport provided under VENDOR's warranty and/or maintenance terms. ProSupport is available as to:

1. VENDOR® Equipment which is identified on the [VENDOR Product Warranty and Maintenance Table](#) as
  - including ProSupport during the applicable warranty period; or
  - eligible for upgrade to ProSupport during the applicable warranty period; or
  - eligible for ProSupport during a subsequent maintenance period.
2. VENDOR Software which is identified on the [VENDOR Product Warranty and Maintenance Table](#) as eligible for ProSupport during a maintenance period.

SERVICE FEATURE	DESCRIPTION	PROSUPPORT—COVERAGE DETAILS
<b>GLOBAL TECHNICAL SUPPORT</b>	<p>Customer contacts VENDOR by telephone or web interface on a 24x7 basis to report an Equipment or Software problem and provides input for initial assessment of Severity Level*.</p> <p>VENDOR provides (i) a response by remote means based on the Severity Level of the problem; or (ii) when deemed necessary by VENDOR, Onsite Response as described below.</p>	<p>Included.</p> <p>Initial response objective, based upon Severity Level, within the following time period after receipt of Customer contact:</p> <p>Severity Level 1: 1 hour; on a 24x7 basis</p> <p>Severity Level 2: 3 hours; on a 24x7 basis</p> <p>Severity Level 3: 4 local business hours</p>
<b>ONSITE RESPONSE</b>	<p>VENDOR sends authorized personnel to Installation Site to work on the problem after VENDOR has isolated the problem and deemed Onsite Response necessary.</p>	<p>Included for Equipment only.</p> <p>Initial Onsite Response objective is next local business day, on a 9x5 basis, after VENDOR deems Onsite Support is necessary.</p>

<sup>6</sup> As used in this Attachment, "VENDOR Products", "Products", "Equipment" and "Software" means the VENDOR Equipment and Software identified on the VENDOR [Product Warranty and Maintenance Table](#).

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Onsite Response does not apply to Software, but may be separately purchased.

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**REPLACEMENT PARTS  
DELIVERY**

VENDOR provides replacement parts when deemed necessary by VENDOR.

Included.

Replacement part delivery objective is next local business day. Local country shipment cut-off times may impact next local business day delivery of replacement parts and the related Onsite Response.

Installation of Customer Replaceable Units (CRUs) is the responsibility of the

Customer. Refer to the [VENDOR Product Warranty and Maintenance Table](#) for listing of parts designated as CRUs.

Installation of all other non-CRU parts performed by VENDOR.

If VENDOR installs the replacement part, VENDOR will arrange for its return to an VENDOR facility. If a Customer installs the CRU, the Customer is responsible for returning

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the replaced CRU to a facility designated by VENDOR.

<b>RIGHTS TO NEW RELEASES OF SOFTWARE</b>	VENDOR provides the rights to new Software Releases as made generally available by VENDOR.	Included.
<b>INSTALLATION OF NEW SOFTWARE RELEASES</b>	VENDOR performs the installation of new Software Releases.	Not included. Customer performs the installation of new Software Releases (including Software that is not classified by VENDOR as Equipment operating environment Software as well as Software which VENDOR determines is Equipment operating environment Software).
<b>24X7 REMOTE MONITORING AND REPAIR</b>	Certain Products will automatically and independently contact VENDOR to provide input to assist VENDOR in problem determination.  VENDOR remotely accesses Products if necessary for additional diagnostics and to provide remote support.	Included for Products that have remote monitoring tools and technology available from VENDOR.  Once VENDOR is notified of a problem, the same response objectives for Global Technical Support and Onsite Response will apply as previously described.
<b>24X7 ACCESS TO ONLINE SUPPORT TOOLS</b>	Customers who have properly registered have access on a 24x7 basis to VENDOR's web-based knowledge and self-help	Included.

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customer support tools via the  
VENDOR Online Support site.

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## MISSION CRITICAL OPTION

The following chart lists the service features included under VENDOR's warranty and/or maintenance terms contingent on Customer separately purchasing the optional "Mission Critical" service with ProSupport. The optional "Mission Critical" service is available for:

1. VENDOR Equipment which is identified on the [VENDOR Product Warranty and Maintenance Table](#) as:
  - including ProSupport Mission Critical during the applicable warranty period; or
  - eligible for upgrade to ProSupport Mission Critical during the applicable warranty period; or
  - eligible for ProSupport Mission Critical during a subsequent maintenance period.
2. VENDOR Software which is identified on the [VENDOR Product Warranty and Maintenance Table](#) as eligible for ProSupport Mission Critical during a maintenance period.

If ProSupport with the optional "Mission Critical" service is purchased by Customer, the following service features of ProSupport are modified as follows:

SERVICE FEATURE	DESCRIPTION	PROSUPPORT WITH MISSION CRITICAL—COVERAGE DETAILS
GLOBAL TECHNICAL SUPPORT	Customer contacts VENDOR by telephone or web interface on a 24x7 basis to report an Equipment or Software problem and provides input for initial assessment of Severity Level*.	Included.  Initial response objective, based upon Severity Level, within the following time period after receipt of Customer contact: Severity Level 1: 30 minutes; on a 24x7 basis
	VENDOR provides (i) a response by remote means based on the Severity Level of the problem; or (ii) when deemed necessary by VENDOR, Onsite Response as described below.	Severity Level 2: 2 hours; on a 24x7 basis Severity Level 3: 3 local business hours
ONSITE RESPONSE	VENDOR sends authorized personnel to Installation Site to work on the problem after VENDOR has isolated the problem and deemed Onsite Response necessary.	Included for Equipment only.  Initial Onsite Response objective is based on Severity Level, within the following time period after VENDOR deems Onsite Support is necessary.

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Severity Level 1: 4 hours on a 24x7 basis

Severity Level 2: Within 12 hours on a  
24x7 basis

Severity Level 3: Next business day, local  
business hours

Onsite Response does not apply to  
Software, but may be separately  
purchased.

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<b>REPLACEMENT PARTS DELIVERY</b>	VENDOR provides replacement parts when deemed necessary by VENDOR.	Included. Replacement part delivery objective is based upon Severity Level, within the following time period after VENDOR deems a replacement part is necessary:
		Severity Level 1: 4 hours on a 24x7 basis
		Severity Level 2: Within 12 hours on a 24x7 basis
		Severity Level 3: Next business day, local business hours
		Local country shipment cut-off times may impact the same day/next local business day delivery of replacement parts and the related Onsite Response.
		Installation of all replacement parts performed by VENDOR as part of Onsite Response, but Customer has option to perform installation of Customer Replaceable Units (CRUs). See <a href="#">VENDOR Product Warranty and Maintenance Table</a> for listing of parts designated as CRUs for specific Equipment.
		If VENDOR installs the replacement part, VENDOR will arrange for its return to an VENDOR facility. If Customer installs the CRU, Customer is responsible for returning the replaced CRU to a facility designated by VENDOR.
<b>INSTALLATION OF NEW SOFTWARE RELEASES</b>	VENDOR performs the installation of new Software Releases.	Included for Software which VENDOR determines is Equipment operating environment Software <sup>7</sup> and only when the associated Equipment into which the operating environment Software is being installed is covered by an VENDOR warranty or then current VENDOR maintenance contract.

<sup>7</sup> Customers requesting installation of new Software Releases for the Dell EMC VxRack SDDC system, including but not limited to VxRack SDDC Software versions posted on the Dell EMC Simple Support Matrix, may be required to purchase a separate services engagement from Dell EMC. Simple Support Matrix means a list of certified versions of software, firmware, and hardware for a specific release available at [https://support.emc.com/products/42676\\_VxRack-SDDC](https://support.emc.com/products/42676_VxRack-SDDC)



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Customer performs the installation of new Software Releases of Software (that is, Software not classified as Equipment operating environment Software), unless otherwise deemed necessary by VENDOR.

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## RENEWAL OF MAINTENANCE CONTRACT

The following chart lists the additional service features included as part of a purchase of a renewal of a VENDOR ProSupport maintenance contract (with or without optional Mission Critical) for the eligible Products identified on the VENDOR Product Warranty and Maintenance Table, subject to the Customer activating and maintaining the currently supported version(s) of VENDOR Secure Remote Support ("ESRS") software during the applicable renewal term. ESRS enablement is a prerequisite for these additional renewal service features.

SERVICE FEATURE	DESCRIPTION	PROSUPPORT—COVERAGE DETAILS
<b>ENVIRONMENTAL ASSESSMENT</b>	<ul style="list-style-type: none"> <li>• Verification of solid state drive ("SSD") wear levels**</li> <li>• Validation of remote connectivity activation.</li> <li>• Check for failed components in eligible Equipment.</li> <li>• Verification of Equipment operating environment Software against target code recommendations.</li> <li>• Validation of disk drive and component firmware levels.</li> <li>• Identification of field change orders (FCOs), technical advisories (ETAs), and security alerts (ETAs) that may impact the affected VENDOR Equipment.</li> <li>• Summary of open service requests.</li> </ul>	<p>Included.</p> <p>Customer is eligible to request one (1) Environmental Assessment analysis per each twelve (12) month period during the applicable renewal term of a current ProSupport maintenance contract.</p>
<b>PROACTIVE SOLID STATE DRIVE REPLACEMENT</b>	<p>If the Endurance Level (as defined below) for any solid state drive reaches five percent (5%) or less (as determined by VENDOR)</p>	<p>Included.</p> <p>Response objective is based on the applicable Replacement Parts Delivery</p>

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during a then current renewal term of a ProSupport maintenance contract, the Customer is eligible to receive a replacement solid state drive. Endurance Level means the average percentage of life span remaining on the eligible SSD.

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and Onsite Response service features detailed above.

**\*Severity Levels:**

- **Severity 1—Critical:** loss of ability to perform critical business functions and requires immediate response.
- **Severity 2—High:** able to perform business functions, but performance/capabilities are degraded or severely limited.
- **Severity 3—Medium/Low:** minimal or no business impact.

**\*\* Available for solid state drives in eligible Equipment that persistently store Customer data, including metadata, as determined by VENDOR.**

The warranty periods and support options ("Support Information") on this website apply (i) only between VENDOR and those organizations that procure the applicable products and/or maintenance under a contract directly with VENDOR (the "VENDOR Customer"); and (ii) only to those products or support options ordered by the VENDOR Customer at the time that the Support Information is current. VENDOR may change the Support Information at any time. The VENDOR Customer will be notified of any change in the Support Information in the manner stated in the then current product ordering and/or maintenance related agreement between VENDOR and the VENDOR Customer, but any such change shall not apply to products or support options ordered by the VENDOR Customer prior to the date of such change.

VENDOR will have no obligation to provide Support Services with respect to Equipment that is outside the VENDOR Service Area. "VENDOR Service Area" means a location that is within (i) one hundred (100) drivable miles of an VENDOR service location; and (ii) the same country as the VENDOR service location, unless otherwise defined in your governing agreement with VENDOR, in which case the definition in the governing agreement prevails.

Products or services obtained from any VENDOR reseller are governed solely by the agreement between the purchaser and the reseller. That agreement may provide terms that are the same as the Support Information on this website. The reseller may make arrangements with VENDOR to perform warranty and/or maintenance services for the purchaser on behalf of the reseller. Please contact the reseller or the local VENDOR sales representative for additional information on VENDOR's performance of warranty and maintenance services on Products obtained from a reseller.

## 5. CONTRACT AWARD:

**5.1 Contract Award:** The Contract is intended to provide Agency with a purchase price for the Contract Services. The Contract shall be awarded to the Vendor that provides the Contract Services meeting the required specifications for the lowest overall total cost as shown on the Pricing Page.

**5.2 Pricing Page:** Vendor should complete the Pricing Page by completing Section A with prices per product requested and then Section B with hourly rates for each custom service requested. Complete the calculations to arrive at a total bid price. The hours listed on the pricing page are for bidding purposes only and do not represent the actual number of hours that will be needed. Vendor should complete the Pricing Page in full as failure to complete the Pricing Page in its entirety may result in Vendor's bid being disqualified. Vendor must submit a copy of the Exhibit A Pricing Page with their bid.

Vendor should type or electronically enter the information into the Pricing Pages through wvOASIS, if available, or as an electronic document

## 6. DELIVERY AND RETURN:

**6.1 Shipment and Delivery:** Vendor shall ship the Contract Items immediately after being awarded this Contract and receiving a purchase order or notice to proceed. Vendor shall deliver the Contract Items within fifty (50) work days after receiving a purchase order or notice to proceed. Final cost shall include shipping charges, delivery charges. Contract Items must be delivered to: IT Department West Virginia Lottery 900 Pennsylvania Ave Charleston WV 25302. All server components must be installed in the server at time of delivery.

**6.2 Late Delivery:** The Agency placing the order under this Contract must be notified in writing if the shipment of the Contract Items will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the Contract, and/or obtaining the Contract Items from a third party.

Any Agency seeking to obtain the Contract Items from a third party under this provision must first obtain approval of the Purchasing Division.

**6.3 Delivery Payment/Risk of Loss:** Vendor shall deliver the Contract Items F.O.B. destination to the Agency's location.

**6.4 Return of Unacceptable Items:** If the Agency deems the Contract Items to be unacceptable, the Contract Items shall be returned to Vendor at Vendor's expense and with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable, or permit the Agency to arrange for the return and reimburse Agency for delivery expenses. If the

original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.

**6.5 Return Due to Agency Error:** Items ordered in error by the Agency will be returned for credit within 30 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.

**7. PERFORMANCE:** Vendor and Agency shall agree upon a schedule for performance of Contract Services and Contract Services Deliverables, unless such a schedule is already included herein by Agency. In the event that this Contract is designated as an open-end contract, Vendor shall perform in accordance with the release orders that may be issued against this Contract.

**8. PAYMENT:** Agency shall pay for goods as shown on the Pricing Pages, and for Contract Services by hourly rates listed on the pricing pages performed and accepted under this Contract. Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.

**9. TRAVEL:** Vendor shall be responsible for all mileage and travel costs, including travel time, associated with performance of this Contract. Any anticipated mileage or travel costs may be included in the flat fee or hourly rate listed on Vendor's bid, but such costs will not be paid by the Agency separately.

**10. FACILITIES ACCESS:** Performance of Contract Services may require access cards and/or keys to gain entrance to Agency's facilities. In the event that access cards and/or keys are required:

**10.1** Vendor must identify principal service personnel which will be issued access cards and/or keys to perform service.

**10.2** Vendor will be responsible for controlling cards and keys and will pay replacement fee, if the cards or keys become lost or stolen.

**10.3** Vendor shall notify Agency immediately of any lost, stolen, or missing card or key.

10.4 Anyone performing under this Contract will be subject to Agency's security protocol and procedures.

10.5 Vendor shall inform all staff of Agency's security protocol and procedures.

## 11. VENDOR DEFAULT:

11.1 The following shall be considered a vendor default under this Contract.

11.1.1 Failure to perform Contract Services in accordance with the requirements contained herein.

11.1.2 Failure to comply with other specifications and requirements contained herein.

11.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.

11.1.4 Failure to remedy deficient performance upon request.

11.2 The following remedies shall be available to Agency upon default.


11.2.1 Immediate cancellation of the Contract.

11.2.2 Immediate cancellation of one or more release orders issued under this Contract.

11.2.3 Any other remedies available in law or equity.

## 12. MISCELLANEOUS:

12.1 **Contract Manager:** During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

  
**Contract Manager:** \_\_\_\_\_  
**Telephone Number:** 330-338-5216  
**Fax Number:** 800-294-5141  
**Email Address:** mike.armbrust@thinkahead.com



# EXHIBIT A

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
HCI Nodes-VXRAIL						
TPM1.2MODULEAF		VXRAIL-500 TPM 1.2 MODULE AF	60	12		\$ -
PS1100WPSF		VXRAIL-500 DUAL HOTPLG 1100W PS F	60	12		\$ -
INSTLCTRYUSAFR640F		VXRAIL-500 USA SHIPMOD F	60	12		\$ -
SYSE5601SVENTF		VXRAIL 14G E560 1U1N 1S VSAN ENT AF	60	12		\$ -
PWR200VRACK		C13-C14 PDU RACK PWR CRD 2M N. AM	60	48		\$ -
RRAILKIT1U1NCMAAF		VXRAIL-500 A7 RRAILS II WITH CMA 1U1N AF	60	12		\$ -
1S8HPFANE560165GR		VXRAIL-500 1S 8 HIGH PERF FAN 165W/GRT	60	12		\$ -
1SE560HSKDM165OL		VXRAIL-500 1S E560 165WL HTK DIMM BLNK	60	12		\$ -
PROGD62481SF		VXR INTEL CPU GD 6248 2.5G, 20C/40T 1S F	60	12		\$ -
RISER640CNFG4SNGL		VXRAIL-500 RISER R640 CONFIG4 LP	60	12		\$ -
VXRNOADDPROC		VXR NO ADDITIONAL PROCESSOR FOR GEN 2	60	12		\$ -
MEM16GB2933MTF		VXRAIL MEMORY 16GB 2933MT RDIMM F	60	72		\$ -
RDIMM2933INFO		VXRAIL FACTORYORD RQ 2933MHZ RDIMM	60	12		\$ -
INSTLKITSFP28F		VXRAIL-500 INSTALL KIT SFP28 25GB F	60	12		\$ -
NDCSFP28DP25GF		VXRAIL-500 NDC SFP28 DP 25GB F	60	12		\$ -
CAPSSDSAS3.84TBF		VXR 3.84TB CAPACITY SAS 2.5IN SSD F	60	48		\$ -
CACHESSD800GB		VXR 800GB CACHE SSD 2.5IN	60	12		\$ -
M-PSP-HW-J-003-5Y		PROSUPPORT PLUS 4HR/MC VSAN ENT HW-5 YR	60	12		\$ -
M-PRTSRT-DE14-5Y		PARTS RETENTION UPLIFT 5 YEAR	60	12		\$ -
VXR-14G-MGR-DE-4.7		VXRAIL SOFTWARE IMAGE V4.7=MA	60	12		\$ -
458-001-937		RECOVERPOINT FOR VM FOR 1-NODE HCIA	60	12		\$ -
456-111-959		RECOVERPOINT FOR VM FOR 1-NODE HCIA =IB	60	12		\$ -
M-PSP-SW-D3-001		PROSUPPORT PLUS 4HR/MC SOFTWARE SUPPORT	60	12		\$ -
458-002-519		VXRAIL VMWARE VSAN ENTERPRISE	60	12		\$ -
456-113-811		VXRAIL VMWARE VSANENTERPRISE 5Y MAINT=IG	60	12		\$ -



# EXHIBIT A

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
M-PSP-SW-J-007		PROSUPPORT PLUS 4HR/MC VSAN ENT SW SPPT	60	12		\$ -
VXROSGDPROCSF		VXRAIL HCI SYSTEM SOFTWARE(G F)=IG	60	12		\$ -
M-PSP-SW-J-001		PROSUPPORT PLUS 4HR/MC SOFTWARE SUPPORT	60	12		\$ -
VXROS3.84SASF		VXR HCI SYSTEM SOFTWARE(CAP 3.84 SAS)=CF	60	48		\$ -
M-PSP-SW-J-001		PROSUPPORT PLUS 4HR/MC SOFTWARE SUPPORT	60	12		\$ -
PS-PDP-RP4VMDP		PDP FOR RECOVERPOINT FOR VM	N/A	2		\$ -
CE-PDPHCITC0001		1 TRAINING CREDIT VALID 1YR (PDP HCI)	N/A	1200		\$ -
PS-PDP-P30VXRAIL		30DAYPOSTDEPLOYASSIST VXRAIL	N/A	2		\$ -
PS-PDP-VXRDP		PDP FOR VXRAIL DEPLOY PER NODE	N/A	12		\$ -
PSINST-ESRS		ESRS INSTALL	N/A	2		\$ -
PS-BAS-VXRTRRES		RESIDENCY FOR HCI TR	N/A	3		\$ -
PS-BAS-IDMVB		IDM DATA MIGRATION VIRTUAL, BASE	N/A	1		\$ -
PS-BAS-IDMVE		IDM DATA MIGRATION VIRTUAL, EVENT	N/A	2		\$ -
PS-BAS-IDMVA		IDM DATA MIGRATION VIRTUAL, ADD-ON	N/A	1		\$ -
CE-HCITC0001		1 TRAINING CREDIT VALID 1YR (HCI)	N/A	10000		\$ -
<b>Subtotal</b>						\$ -
<b>Unstructured Storage-ISILON</b>						
851-0209-P		PROMO CABLE, IB QDR, QSFP-QSFP, 3M	60	12		\$ -
851-0167-P		PROMO MELLANOX 8 PORT QDR SWITCH	60	4		\$ -
X210-SATA-S03-P		PROMO X210-11T+200G SSD/24G/2X10GE 2X1GE	60	6		\$ -
851-0099-P		PROMO 2 SFP+ OPTICS KIT - 10GBE	60	6		\$ -
800-0012-P		PROMO 2 PWRCRD C14-C13,208V UNIVERSAL	60	10		\$ -
612-0027		24GB RAM (NEXT GEN)	60	6		\$ -
613-0008		10GBE DUAL-PORT SFP WITHOUT OPTICS	60	6		\$ -
611-0005		11TB+200GB SSD/ 3.5IN	60	6		\$ -
M-PSP-HW-IUE-001		PROSUPPORT PLUS HARDWARE SUPPORT	60	2		\$ -



# EXHIBIT A

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
M-PARTRT-PR3-I01		PARTS RETENTION UPLIFT(ISILON)	60	2		\$ -
TRK-ENTERP DESC		CONADV/SNAP/QTA	60	2		\$ -
201-0347-CF		SW: STARTER PROMO ENT BUNDLE T2 GEN5 =ID	60	6		\$ -
M-PSP-SW-IUE-001		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2		\$ -
200-0404-CF		INSIGHTIQ FOR ONEFS GEN5 =ID	60	6		\$ -
M-PSP-SW-I-001		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2		\$ -
CE-PDPISLTC0001		1 TRAINING CREDIT VALID 1YR (PDP ISL)	N/A	4500		\$ -
PS-PDP-P30ISILON		30DAYPOSTDEPLOYASSIST ISILON	N/A	4		\$ -
PS-PDP-ISIADV2UDP		PDP FOR ISILON ADVANCED BUNDLE 2U NODE	N/A	2		\$ -
PS-PDPAD-ISIAD2UIN		PDP ADDON, ISILON ADD 1 2U NODE	N/A	4		\$ -
PS-PDPAD-ISIADF2DP		PDP ADDON, ISILON ADD FEATURE 2U NODE	N/A	2		\$ -
PS-BAS-ISITRRES		RESIDENCY FOR ISILON - TR	N/A	2		\$ -
CE-ISLTC0001		1 TRAINING CREDIT VALID 1YR (ISL)	N/A	11400		\$ -
200-0986-CF		ENTERPRISE-SMARTLOCK TIER 3 GEN5 =ID	60	6		\$ -
M-PSP-SW-I-001		PROSUPPORT PLUS SOFTWARE SUPPORT	60	1		\$ -
200-0263-CF		ENTERPRISE-SYNCIQ TIER 3 GEN5 =ID	60	6		\$ -
M-PSP-SW-I-001		PROSUPPORT PLUS SOFTWARE SUPPORT	60	1		\$ -
PS-PDPAD-ISIADFEDP		PDP ADDON, ISILON FEATURE OR WORKLOAD	N/A	2		\$ -
PS-PDP-ISIOFSSYDP		PDP FOR ISILON ONEFS SYNCIQ	N/A	2		\$ -
IGLS-CB-5YR		SEL IGLS STARTER SUITE 2 CLSTR BUNDLE 5Y	60	1		\$ -
PS-BAS-ISIIDMB		ISILON IDM DATA MIGRATION FILE, BASE	N/A	1		\$ -
PS-BAS-ADSMMLK		CONFIGURE UPTO 10 SMARTLOCK FOLDERS	N/A	1		\$ -
<b>Subtotal</b>						\$ -
<b>Data Protection-IDPA</b>						
DPXCVR-10GBE-4400		TRANSCEIVER 10GBE SFP+ DP4400 300M	60	8		\$ -



# EXHIBIT A

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
DPCBL-LC-OM4-10ME		10 M LC TO LC CABLE KIT	60	8		\$ -
DPAPPL_4400		ANCHOR DP APPLIANCE 4400	60	2		\$ -
DP4400_12TB_PACK		DP4400 12TB CAPACITY EXPANSION PACK	60	6		\$ -
DP4400_24TB_SFP8		IDPA DP4400 24TB 8X10G SFP	60	2		\$ -
M-PSP-HW-DD-E1		PROSUPPORT PLUS HARDWARE SUPPORT	60	2		\$ -
M-PARTRT-PR3-DPE		PARTS RETENTION UPLIFT DPAD-E	60	2		\$ -
IDPA_DDVE_62		IDPA DDOS 6.2 VIRTUAL EDITION=IA	60	2		\$ -
458-002-414		DATA PROTECTION CENTRAL ENTRY=CA	60	2		\$ -
M-PSP-SW-DD-E1		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2		\$ -
458-002-436		IDPA DP4400 ENV CONFIG	60	2		\$ -
456-113-621		IDPA BU APP ENABLER ENTRY=IA	60	2		\$ -
456-113-623		ANALYTICS ENABLER ENTRY=CB	60	2		\$ -
456-113-620		FEDERATED REPORTING SERVER ENTRY=IA	60	2		\$ -
456-113-661		IDPA TARGET PROTOCOL ENABLER ENTRY=CA	60	2		\$ -
456-113-624		IDPA BU SEARCH ENABLER ENTRY=CA	60	2		\$ -
456-107-987		DP4400 CAPACITY ENABLER DDVE 12TB=CC	60	10		\$ -
456-113-622		VREALIZE ENABLER ENTRY=IA	60	2		\$ -
456-113-781		IDPA BOOSTFS 1 TB RAW ENABLER ENTRY=CB	60	120		\$ -
M-PSP-SW-DD-E1		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2		\$ -
458-002-482		DP4400 DD CLOUD DR ESSENTIALS 5TB=CC	60	2		\$ -
M-PSP-SW-DD-E1		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2		\$ -
PS-PDP-IDPAVEDP		PDP FOR IDPA DP4X SERIES	N/A	2		\$ -
CE-PDPDPDTC0001		1 TRAINING CREDIT VALID 1YR (PDP DP)	N/A	1800		\$ -
PS-PDP-P30IDPA		30DAYPOSTDEPLOYASSIST IDPA	N/A	2		\$ -
PS-PDP-DPADP		PDP FOR DPA DEPLOY	N/A	1		\$ -



# EXHIBIT A

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
PS-PDP-SRCHDP		PDP FOR SEARCH DEPLOY	N/A	1		\$ -
PSINST-ESRS		ESRS INSTALL	N/A	2		\$ -
PS-BAS-DPADPS		DPA IMPLEMENTATION FOR DPS BASE	N/A	1		\$ -
PS-BAS-DPADPSA		DPA IMPLEMENTATION FOR DPS ADD-ON	N/A	1		\$ -
PS-BAS-DPTRRES		RESIDENCY FOR DATA PROTECTION - TR	N/A	1		\$ -
PS-PDPAD-DPSVWDP		PDP ADDON, DATA PROTECTION SUITE VMWARE	N/A	1		\$ -
PS-PDADT-RDPDTECH		PRODEPLOY ADDL DEP TIME: REMOTE DPD TECH	N/A	3		\$ -
PS-PDADT-OPM		PD ADDL DEPL TIME: 8HR ONSITE PRJ MGR	N/A	5		\$ -
CE-DPDTTC0001		1 TRAINING CREDIT VALID 1YR (DP)	N/A	12000		\$ -
458-002-484		EMC GRANULAR RECOVERY MICROSOFT HIGH=CA	60	120		\$ -
M-PSP-SW-DD-H1		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2		\$ -
458-001-440		RECOVERPOINT FOR VM STARTER PACKS	12	2		\$ -
456-113-589		RP4VM 5VM STARTER PACK FOR DP4400=IB	12	2		\$ -
M-PSP-SW-D3-001		PROSUPPORT PLUS SOFTWARE SUPPORT	12	2		\$ -
458-002-352		DELL EMC ESA FOR VROPS=IC	12	1		\$ -
M-PSM-SW-D3-001		PROSUPPORT W/MISSION CRITICAL-SOFTWARE	12	1		\$ -
RP-LNX-GPL		RECOVERPOINT LINUX GPLV3 DISTRIBUTION	N/A	1		\$ -
458-002-195		RP4VM MIDRANGE PACK	60	1		\$ -
456-113-102		RP4VM MIDRANGE PACK 100 =IB	60	200		\$ -
M-PSP-SW-D3-001		PROSUPPORT PLUS SOFTWARE SUPPORT	60	1		\$ -
PS-PDP-P30RP4VM		30DAYPOSTDEPLOYASSIST RP4VM	N/A	1		\$ -
CE-PDPDPDTTC0001		1 TRAINING CREDIT VALID 1YR (PDP DP)	N/A	600		\$ -
PS-PDP-RP4VMDP		PDP FOR RECOVERPOINT FOR VM	N/A	1		\$ -
<b>Subtotal</b>						\$ -
<b>Servers</b>						

# EXHIBIT A

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
G0J1TUI		PowerEdge R340 Server	60	3		\$ -
GFC8O1N		Trusted Platform Module 2.0	60	3		\$ -
GEX9H81		3.5" Chassis with up to 4 Hot Plug Hard Drives	60	3		\$ -
G3GUMFS		PowerEdge R340 Shipping	60	3		\$ -
GTUWYC8		Intel® Xeon® E-2124 3.3GHz, 8M cache, 4C/4T, turbo (71W)	60	3		\$ -
GH5K9IL		Heatsink for 80W or less CPU	60	3		\$ -
G538WOB		2666MT/s UDIMMs	60	3		\$ -
GH9QBEI		Performance Optimized	60	3		\$ -
GQS56YE		8GB 2666MT/s DDR4 ECC UDIMM	60	6		\$ -
GOV1697		C3, RAID 1 for 2 HDDs or SSDs (Matching Type/Speed/Capacity)	60	3		\$ -
G5P7SZM		PERC H330 RAID Controller, Adapter	60	3		\$ -
GBHCZQ4		480GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive,3.5in HYB CARR, 3 DWPD, 2628 TBW	60	6		\$ -
GZ7VTNS		On-Board Broadcom 5720 Dual Port 1Gb LOM	60	3		\$ -
G4BZI6S		Intel X710 Dual Port 10GbE SFP+ Adapter, PCIe Full Height	60	3		\$ -
G7P15BR		iDRAC9,Enterprise	60	3		\$ -
GA3C9NO		DVD ROM, SATA, Internal for Hot Plug Chassis	60	3		\$ -
GFK9A8H		ReadyRails™ Static Rails for 2/4-post Racks	60	3		\$ -
GMPFC0B		PowerEdge 1U Standard Bezel	60	3		\$ -
GJO594B		Performance BIOS Setting	60	3		\$ -
GPHWFU8		NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord, North America	60	6		\$ -
G0FARJY		Dual, Hot-plug, Redundant Power Supply, 350W	60	3		\$ -
GA61G9R		PowerEdge R340 Shipping Material for 3.5" Chassis	60	3		\$ -
GTVA94K		iDRAC Group Manager, Disabled	60	3		\$ -
G2T768J		iDRAC,Factory Generated Password	60	3		\$ -



# EXHIBIT A

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
G71J5VU		PCIe Riser with Fan with up to 1 FH/HL, x8 PCIe + 1 LP, x4 PCIe Gen3 Slots	60	3		\$ -
GEG3QPR		5 Years, ProSupport Plus Mission Critical 4 Hour Onsite Service	60	3		\$ -
PDEPLUS		ProDeploy Plus Dell Server R Series 1U/2U	60	3		\$ -
GEF5VJU		5 Years, Keep Your Hard Drive	60	3		\$ -
<b>Subtotal</b>						\$ -
Network-Switches, Transceivers, Cables, Etc.						
470-ACMF		SEL LC/LC FIBER PATCH CABLE 3M ATTACH	60	20		\$ -
407-BBBY		SEL - QSFP+ - 40G SR4 ATTACH	60	4		\$ -
470-ACEV		SEL - SFP28 - 25G DAC 3M ATTACH	60	24		\$ -
407-BBEF		SEL - 10G XCVR SR ATTACH	60	24		\$ -
470-ABPY		SEL GZ80XFA - 100G DAC 1M CUS KIT	60	4		\$ -
470-ACMN		SEL LC/LC FIBER PATCH CABLE 10M CUS KIT	60	12		\$ -
210-APFC		SEL S5248F-ON, PSU TO IO 2 PSU OS10 TAA	60	4		\$ -
5248AMER5PPMC		SEL S5248F-ON 5YR PROSUPPORTPLUS MC(4HR)	60	4		\$ -
5248AMER1RTD		SEL S5248F-ON 1 YR RETURN TO DEPOT	60	4		\$ -
CE-PDPSTRTC0001		1 TRAINING CREDIT VALID 1YR (PDP STR)	N/A	800		\$ -
PS-PDP-P30CNCTRIX		30DAYPOSTDEPLOYASSIST CONNECTRIX	N/A	2		\$ -
PS-PDP-S5XXDXP		PDP FOR DELL EMC NETWORKING S5XXX	N/A	4		\$ -
<b>Sub Totals</b>						\$ -

<b>Additional Services (As Needed 8 hour increments)</b>						
PS-PDADT-OHCITECH		PRODEPLOY ADDL DEP TIME: ONSITE HCI TECH	N/A	1		\$ -
PS-PDADT-OISITECH		PRODEPLOY ADDL DEP TIME: ONSITE ISI TECH	N/A	1		\$ -
PS-PDADT-OPM		PRODEPLOY ADDL DEP TIME: ONSITE PRJ MGR	N/A	1		\$ -

# EXHIBIT A

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
PS-PDADT-ODPDTECH		PRODEPLOY ADDL DEP TIME: ONSITE DPD TECH	N/A	1		\$ -
PS-PDADT-RHCITECH		PRODEPLOY ADDL DEP TIME: REMOTE HCI TECH	N/A	1		\$ -
PS-PDADT-RISITECH		PRODEPLOY ADDL DEP TIME: REMOTE ISI TECH	N/A	1		\$ -
PS-PDADT-RDPDTECH		PRODEPLOY ADDL DEP TIME: REMOTE DPD TECH	N/A	1		\$ -

Section B:						
Custom Work Pricing Page <i>(For Assessment in cost)</i>	(These are vendor provided services)	Server Replatforming to 2016 and Service Migrations				
				Hours		
Clustered SQL Server Replatform		Vendor Support*		100		\$ -
Domain Controller and Active Directory Migration		Active Directory Vendor Support migration*		100		\$ -
Clustered Microsoft Exchange Server Migration		Exchange Webmail and Presence Support*		100		\$ -
Radius and Printer Server Migration		Vendor Support Authentication and Printing*		100		\$ -
Subtotal						\$ -

Total Price		\$ -
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Note 1: Any bidder proposing an 'or equal' solution must include a full bill of materials reflecting item descriptions quantities and support terms.



## **GENERAL TERMS AND CONDITIONS:**

**1. CONTRACTUAL AGREEMENT:** Issuance of a Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

**2. DEFINITIONS:** As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

**2.1. "Agency" or "Agencies"** means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

**2.2. "Bid" or "Proposal"** means the vendors submitted response to this solicitation.

**2.3. "Contract"** means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

**2.4. "Director"** means the Director of the West Virginia Department of Administration, Purchasing Division.

**2.5. "Purchasing Division"** means the West Virginia Department of Administration, Purchasing Division.

**2.6. "Award Document"** means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

**2.7. "Solicitation"** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

**2.8. "State"** means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

**2.9. "Vendor" or "Vendors"** means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

**3. CONTRACT TERM; RENEWAL; EXTENSION:** The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

☒ **Term Contract**

**Initial Contract Term:** This Contract becomes effective on Upon Award and extends for a period of five (5) year(s).

**Renewal Term:** This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be delivered to the Agency and then submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to zero (0) successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

☐ **Alternate Renewal Term** – This contract may be renewed for \_\_\_\_\_ successive \_\_\_\_\_ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

**Delivery Order Limitations:** In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

☐ **Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within \_\_\_\_\_ days.

☐ **Fixed Period Contract with Renewals:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within \_\_\_\_\_ days. Upon completion of the work covered by the preceding sentence, the vendor agrees that maintenance, monitoring, or warranty services will be provided for \_\_\_\_\_ year(s) thereafter.

☐ **One Time Purchase:** The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

☐ **Other:** See attached.

**4. NOTICE TO PROCEED:** Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Award Document will be considered notice to proceed.

**5. QUANTITIES:** The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

☒ **Open End Contract:** Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

☐ **Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.

☒ **Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

☐ **One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.

**6. EMERGENCY PURCHASES:** The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.

**7. REQUIRED DOCUMENTS:** All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

☐ **BID BOND (Construction Only):** Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

☐ **PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of 100% of the contract. The performance bond must be received by the Purchasing Division prior to Contract award.



☐ **LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable. Notwithstanding the foregoing, West Virginia Code § 5-22-1 (d) mandates that a vendor provide a performance and labor/material payment bond for construction projects. Accordingly, substitutions for the performance and labor/material payment bonds for construction projects is not permitted.

☐ **MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

☐ **LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after contract award at the State's sole discretion.

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The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed above.

**8. INSURANCE:** The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below and must include the State as an additional insured on each policy prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancelation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed in this section.

Vendor must maintain:

☒ **Commercial General Liability Insurance** in at least an amount of: 1,000,000 per occurrence.

☐ **Automobile Liability Insurance** in at least an amount of: 500,000 per occurrence.

☐ **Professional/Malpractice/Errors and Omission Insurance** in at least an amount of: \_\_\_\_\_ per occurrence. Notwithstanding the forgoing, Vendor's are not required to list the State as an additional insured for this type of policy.

☐ **Commercial Crime and Third Party Fidelity Insurance** in an amount of: \_\_\_\_\_ per occurrence.

☐ **Cyber Liability Insurance** in an amount of: \_\_\_\_\_ per occurrence.

☐ **Builders Risk Insurance** in an amount equal to 100% of the amount of the Contract.

☐ **Pollution Insurance** in an amount of: \_\_\_\_\_ per occurrence.

☐ **Aircraft Liability** in an amount of: \_\_\_\_\_ per occurrence.

☐☐☐☐

Notwithstanding anything contained in this section to the contrary, the Director of the Purchasing Division reserves the right to waive the requirement that the State be named as an additional insured on one or more of the Vendor's insurance policies if the Director finds that doing so is in the State's best interest.

**9. WORKERS' COMPENSATION INSURANCE:** The apparent successful Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

**10. [Reserved]**

**11. LIQUIDATED DAMAGES:** This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

☐ \_\_\_\_\_ for \_\_\_\_\_

☐ Liquidated Damages Contained in the Specifications

**12. ACCEPTANCE:** Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

**13. PRICING:** The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.

**14. PAYMENT IN ARREARS:** Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears.

**15. PAYMENT METHODS:** Vendor must accept payment by electronic funds transfer and P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)

**16. TAXES:** The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

**17. ADDITIONAL FEES:** Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

**18. FUNDING:** This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.

**19. CANCELLATION:** The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.

**20. TIME:** Time is of the essence with regard to all matters of time and performance in this Contract.

**21. APPLICABLE LAW:** This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.

**22. COMPLIANCE WITH LAWS:** Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

**SUBCONTRACTOR COMPLIANCE:** Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

**23. ARBITRATION:** Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.



**24. MODIFICATIONS:** This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

**25. WAIVER:** The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

**26. SUBSEQUENT FORMS:** The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

**27. ASSIGNMENT:** Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments.

**28. WARRANTY:** The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

**29. STATE EMPLOYEES:** State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

**30. PRIVACY, SECURITY, AND CONFIDENTIALITY:** The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.



**31. YOUR SUBMISSION IS A PUBLIC DOCUMENT:** Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

**DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.**

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

**32. LICENSING:** In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

**SUBCONTRACTOR COMPLIANCE:** Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

**33. ANTITRUST:** In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

**34. VENDOR CERTIFICATIONS:** By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein.

Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

**35. VENDOR RELATIONSHIP:** The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

**36. INDEMNIFICATION:** The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

**37. PURCHASING AFFIDAVIT:** In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State, Vendors are required to sign, notarize, and submit the Purchasing Affidavit to the Purchasing Division affirming under oath that it is not in default on any monetary obligation owed to the state or a political subdivision of the state.

**38. ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE:** This Contract may be utilized by other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts ("Other Government Entities"), provided that both the Other Government Entity and the Vendor agree. Any extension of this Contract to the aforementioned Other Government Entities must be on the same prices, terms, and conditions as those offered and agreed to in this Contract, provided that such extension is in compliance with the applicable laws, rules, and ordinances of the Other Government Entity. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.

**39. CONFLICT OF INTEREST:** Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

**40. REPORTS:** Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

☒ Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

☐ Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at [purchasing.requisitions@wv.gov](mailto:purchasing.requisitions@wv.gov).

**41. BACKGROUND CHECK:** In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision. The State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Revised 01/09/2020



Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

**42. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS:** Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open hearth, basic oxygen, electric furnace, Bessemer or other steel making process. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
- c. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
- d. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

**43. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL:** In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a

“substantial labor surplus area”, as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

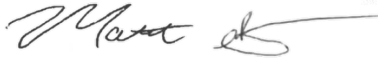
All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

**44. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE:** W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least \$1 million, the vendor must submit to the Agency a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-award interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

**45. PROHIBITION AGAINST USED OR REFURBISHED:** Unless expressly permitted in the solicitation published by the State, Vendor must provide new, unused commodities, and is prohibited from supplying used or refurbished commodities, in fulfilling its responsibilities under this Contract.



**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.



(Name, Title)

Matt Athey, Client Director

(Printed Name and Title)

5181 Natorp Blvd, Suite 110, Mason, OH 45040

(Address)

614-354-5892

(Phone Number) / (Fax Number)

matt.athey@thinkahead.com

(email address)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

(Company)



(Authorized Signature) (Representative Name, Title)

Mike Armbrust, Managing Director

(Printed Name and Title of Authorized Representative)

19 May 2020

(Date)

330-338-5216

(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM  
SOLICITATION NO.:

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

*(Check the box next to each addendum received)*

- ☒ Addendum No. 1
- ☐ Addendum No. 2
- ☐ Addendum No. 3
- ☐ Addendum No. 4
- ☐ Addendum No. 5

- ☐ Addendum No. 6
- ☐ Addendum No. 7
- ☐ Addendum No. 8
- ☐ Addendum No. 9
- ☐ Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Ahead

Company



Authorized Signature

19 May 2020

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

STATE OF WEST VIRGINIA  
Purchasing Division  
**PURCHASING AFFIDAVIT**

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

**ALL CONTRACTS:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**DEFINITIONS:**

**"Debt"** means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"Related party"** means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (*W. Va. Code §61-5-3*) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

State of \_\_\_\_\_

County of \_\_\_\_\_, to-wit:

Taken, subscribed, and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

My Commission expires \_\_\_\_\_, 20\_\_.

**AFFIX SEAL HERE**

**NOTARY PUBLIC** \_\_\_\_\_

# West Virginia Ethics Commission



## Disclosure of Interested Parties to Contracts

Pursuant to *W. Va. Code* § 6D-1-2, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of \$1 million or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

For purposes of complying with these requirements, the following definitions apply:

*"Business entity"* means any entity recognized by law through which business is conducted, including a sole proprietorship, partnership or corporation, but does not include publicly traded companies listed on a national or international stock exchange.

*"Interested party"* or *"Interested parties"* means:

- (1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors;
- (2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract. (This subdivision does not apply to a publicly traded company); and
- (3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency. (This subdivision does not apply to persons or business entities performing legal services related to the negotiation or drafting of the applicable contract.)

*"State agency"* means a board, commission, office, department or other agency in the executive, judicial or legislative branch of state government, including publicly funded institutions of higher education: Provided, that for purposes of *W. Va. Code* § 6D-1-2, the West Virginia Investment Management Board shall not be deemed a state agency nor subject to the requirements of that provision.

The contracting business entity must complete this form and submit it to the contracting state agency prior to contract award and to complete another form within 30 days of contract completion or termination.

*This form was created by the State of West Virginia Ethics Commission, 210 Brooks Street, Suite 300, Charleston, WV 25301-1804. Telephone: (304)558-0664; fax: (304)558-2169; e-mail: [ethics@wv.gov](mailto:ethics@wv.gov); website: [www.ethics.wv.gov](http://www.ethics.wv.gov).*

West Virginia Ethics Commission  
**Disclosure of Interested Parties to Contracts**

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: \_\_\_\_\_ Address: \_\_\_\_\_

Name of Authorized Agent: \_\_\_\_\_ Address: \_\_\_\_\_

Contract Number: \_\_\_\_\_ Contract Description: \_\_\_\_\_

Governmental agency awarding contract: \_\_\_\_\_

☐ Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (*attach additional pages if necessary*):

**1. Subcontractors or other entities performing work or service under the Contract**

☐ Check here if none, otherwise list entity/individual names below.

**2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)**

☐ Check here if none, otherwise list entity/individual names below.

**3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)**

☐ Check here if none, otherwise list entity/individual names below.

Signature: \_\_\_\_\_ Date Signed: \_\_\_\_\_

***Notary Verification***

State of \_\_\_\_\_, County of \_\_\_\_\_:

I, \_\_\_\_\_, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Notary Public's Signature

**To be completed by State Agency:**

Date Received by State Agency: \_\_\_\_\_

Date submitted to Ethics Commission: \_\_\_\_\_

Governmental agency submitting Disclosure: \_\_\_\_\_

Revised June 8, 2018





Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

State of West Virginia  
Request for Quotation  
21 — Info Technology

Proc Folder: 698128

Doc Description: Addendum 1 - INFRASTRUCTURE STORAGE SOLUTION AND CONF

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2020-05-13	2020-05-19 13:30:00	CRFQ 0705 LOT2000000009	2

**BID RECEIVING LOCATION**

BID CLERK  
DEPARTMENT OF ADMINISTRATION  
PURCHASING DIVISION  
2019 WASHINGTON ST E  
CHARLESTON WV 25305  
US

**VENDOR**

Vendor Name, Address and Telephone Number:

Ahead  
401 N Michigan Avenue, 34th floor  
Chicago, IL 60611  
(312) 924-4492

**FOR INFORMATION CONTACT THE BUYER**

Linda B Harper  
(304) 558-0468  
linda.b.harper@wv.gov

Signature X

FEIN # 20-8476250

DATE 14 May 2020

All offers subject to all terms and conditions contained in this solicitation

**ADDITIONAL INFORMATION:**

Addendum 1 issued for the following reasons:

1. To publish a copy of vendor questions and responses.
2. To modify the pricing page, see attached Exhibit A Pricing Page - Revised for Addendum 1.

No other changes

INVOICE TO		SHIP TO	
ACCOUNTS PAYABLE LOTTERY PO BOX 2067		PURCHASING LOTTERY 900 PENNSYLVANIA AVE	
CHARLESTON	WV25327-2067	CHARLESTON	WV 25302
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Computer servers - ENTER TOTAL BID AMOUNT FROM EXHIBIT A				

Comm Code	Manufacturer	Specification	Model #
43211501			

**Extended Description :**

VENDORS SUBMITTING BIDS ONLINE SHOULD ENTER THE TOTAL BID AMOUNT FROM THE EXHIBIT A PRICING PAGE (CONTRACT AMOUNT) AND ATTACH A COPY WITH THEIR BID SUBMISSION

**SCHEDULE OF EVENTS**

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Question Deadline 2:00 pm	2020-05-11

## SOLICITATION NUMBER: LOT2000000009

### Addendum Number: 1

---

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

#### Applicable Addendum Category:

- ☐ Modify bid opening date and time
- ☐ Modify specifications of product or service being sought
- ☒ Attachment of vendor questions and responses
- ☐ Attachment of pre-bid sign-in sheet
- ☐ Correction of error
- ☐ Other

#### Description of Modification to Solicitation:

Addendum 1 issued for the following reasons:

1. To publish a copy of vendor questions and responses.
2. To modify the pricing page, see attached Exhibit A Pricing Page - Revised for Addendum 1.

No other changes

**Additional Documentation:** Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

#### Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

# ATTACHMENT A



**CRFQ LOT2000000009**

**Vendor Question**

- Q.1. Is WV lottery doing their own migration and SQL Server buildout or looking for the vendor to do migration and build the SQL Servers with HA?**
- A.1. Vendor awarded this RFQ will have primary responsibility to design, build and migrate the HA SQL environments as well as Exchange other servers and Active Directory with limited support from lottery staff. See 4.10.
- Q.2. Is 24x7 SQL Server related support needed? If so, is this on-call on for 24x7 monitoring – or both?**
- A.2. SQL Server software is provided under our existing EA agreement and is not included in this RFQ.
- Q.3. Is SQL server work required to be onsite including any initial work, like building the SQL Server Failover Cluster or the migration for instance, or during any ongoing support?**
- A.3. Initial SQL Work is onsite and ongoing is at Lottery discretion.
- Q.4. In section 2 Definitions item 2.10 “GB” stands for gigabit. Should this be “Gigabyte” instead:**
- A.4. Yes Gigabyte.
- Q.5. Does WV Lottery have extended support for their Windows Server 2009 servers?**
- A.5. Servers are 2008 as stated in the RFQ. We do not have extended support for them.
- Q.6. Does WV Lottery have extended support for SQL 2008 or older?**
- A.6. We do not have extended support for them. SQL 2008 is the only version in use.
- Q.7. Please elaborate on 4.27.34. Solution must rely on CPU and memory – not disk drives – for performance.**
- A.7. Performance specifications should depend on CPU and memory optimization not performance enhancing disk drive features such as a swap file.
- Q.8. Please elaborate on 4.39.2.18. Solution must be able to add capacity up to 96 usable TB by increasing licensing without hardware or software upgrades.**
- A.8. Lottery solution will include 60 TB per location and can have capacity up to 96TB by increasing licensing and not by purchasing additional hardware or software.

- Q.9. We see that you are requesting a Dell Isilon solution with the InfiniBand backend interconnect. Is this preferred, or would you prefer the Ethernet back end version which will be more forwardly compatible with the newer Isilon models and future Isilon models moving forward?**
- A.9. The Lottery RFQ Specifications provide us with the architecture that best meets our short and long term needs. We believe the next gen Isilon referenced in this question is far larger (3x) and more costly (2x) than what we have specified. This would result in a cash outlay for storage that would not be used based on our projections.**
- Q.10. We see that you are requesting the Dell VxRAIL Hyperconverged solution. Considering the announcement of the new Dell PowerStore X storage product that has built in hyperconverged compute, is that a product you would consider as an option? The Data Sheet is attached,**
- A.11. The proposed solution is what is required at a minimum and is scalable to our growth projections. The Lottery has designed the specifications to meet our requirements. Powerstore just launched last week and is primarily intended as a replacement for VNX storage systems. It is positioned for workloads in addition to HCI.**

#### **SQL SERVERS**

**Q.11. Approximately how many applications running on how many total servers are in scope?**

**A.11 There is one SQL server running as a VM. There are approximately 60 applications which access that server providing primarily licensing and security functions to lottery staff. These regulated activities are critical to the functioning of the lottery. None of the applications are data or compute intensive and most are limited to a small group of 5-10 users from a specific department within the lottery using the application at the same time. The applications run as Access databases from user workstations with network connectivity to the SQL server. As a result of the new environment provided by this RFQ, the Lottery will seek alternatives to this Access methodology.**

**Q.12 is a Full application analysis for compatibility to OS platform base of 2016 on ALL servers?**

**A.12. If this question pertains to the reference in the purpose and scope paragraph, the intent is to make sure all of the existing database applications work with the SQL server and the 2016 AD.**

**Q.13. Please more clearly define, re-platforming of Exchange and SQL.**

- a. Upgraded, new clusters? Migrations?**
- b. Current SQL server details - what versions? how many instances and clusters?**
- c. Current health of environment**

A.13. a. Re-platforming is building out of new Servers/Clusters and migration of data not limited to exchange and SQL.

b. 1 instance that is replicated and able to be relocated to hot site in Bridgeport WV via SRM.

c. Functional and patched.

**Q.14. What are the configuration scenarios of current 2008 R2 SQL?**

d. Meaning 32-bit or 64-bit? 64 bit

e. Cluster and replication configurations

A.14. d. 64 Bit

e. There is no clustering at this time. The server is a VM and replication is handled by EMC RPA.

#### **EXCHANGE**

**Q.15. Current Exchange server details - what version?**

A.15. 2010

**Q.16. Current health of environment?**

a. Amount of data

b. Number of mailboxes

c. Public folders in use?

d. Existing MDM Solution? If yes, which platform?

e. Type of certificates are used?

f. Any edge servers?

g. Exchange Unified Messaging deployed?

h. # of DAGs?

i. Hygiene platform?

A.16. a. 4 Local DB avg 50 GB 4 Remote 50 GB 1 dag

b. 381 recipients 248 user mailboxes

c. None

d. Yes, Airwatch

e. Exchange Self Signed, Webmail and autodiscover- Go Daddy

f. NO

g. Lync

h. 1

i. Barracuda

**Q.17. Exchange 2016 end state - is Microsoft 365 an option at this time?**

**A.17. No**

**ACTIVE DIRECTORY**

**Q.18. Does WVLC have full access internal and external to self-configure all DNS? Full certificate control to generate request, publish etc.?**

**A.18. YES internal and External goes through third party with Lottery approved changes**

**Q.19. For the AD upgrade - only a design/planning and recommendation is required as it relates to the RFP, correct?**

**a. Any implementation of significant change would be a future phase project for itself?**

**b. Would include "required" or best practice GPO updates.**

**A.19. No. All AD infrastructure upgrades will take place as designated in the RFQ including but not limited to implementation as required to re-platform all servers and upgrade Server and AD environment.**

**A. See all of section 4.38. Layout of intention for Active directory implementation on new Domain Controllers. To move from Server 2008 to new 2016 environment.**

**B. Yes**

**Q.20. File system details, legacy dependencies?**

**c. SMB v1.0?**

**d. WINS or other legacy foundation AD services?**

**A.20. NO**

**OTHER**

**Q.21. PKI - is PKI 2016 base OS or newer today? multitiered? Based on SHA256 and no longer SHA-1?**

**A.21. Some Internal Certificates will require updates during migration of servers. The target environment will be based on Server 2016.**

## **VMWARE**

**Q.22. Do you have vSphere Enterprise Plus licenses that you can use for this project, and are the maintenance current?**

**A.22. Yes**

**Q.23. When is the vSphere maintenance good until? (expiration date)**

**A.23. 03/05/2025 after award of maintenance bid shortly.**

**Q.24. If new licenses / support are needed, does WVL require production support for the DR site, or will Basic Support (NBD 4hrs) suffice?**

**A.24. NBD at lottery discretion. Support terms are described in the pricing page per part number.**

## **SRM / RECOVERPOINT FOR VM**

**Q.25. Both Dell EMC RecoverPoint for VM and VMware Site Recovery Manager are mentioned. These two solutions cannot integrate with each other, as there is no SRA (Site Recovery Adapter) for RP4VM. Is it WVL's intention to use RP4VM as their replication/orchestration? Or is SRM with vSphere Replication to be used in conjunction with RP4VM?**

**A.25. The intent is to use RPVM with the current VM's – and implement SRM as the last stage after the apps had been migrated to new Operating systems. This is because the work to rebuild the runbooks would need to be done twice otherwise. RPVM licensing comes included with Vxrail, so it may be something we choose to standardize on after it is tested with the current VM's.**

**Q.26. If SRM & RP4VM are to be used in conjunction, how many VMs are being protected with each solution?**

**A.26. Recoverpoint will cover 25**

**When Migrated File Server to Isilon, Isilon will handle its own replication.**

**SRM: 25**



**Q.27. If SRM is not going to be utilized, do we need to account for additional work that Dell EMC engineers will have to do to configure replication of 200+ VMs, as well as creating the runbook & the recovery plan with RP4VM?**

**A.27. YES** It is included in PDP FOR RECOVERPOINT FOR VM on pricing page PS-PDP-RP4VMDP And it will not be for 200 servers. (See answer for 28.)

**Q.28. Listed on the Exhibit A Pricing Page is a Part Number 456-113-102 Qty of 200 RPVM MIDRANGE PACK 100 =ib; however, I do not see this requirement mentioned in the PDF of the RFP - is this a requirement for the project?**

**A.28.** This sku is the smallest increment of VM's to license for RPVM's. The midrange pack is heavily discounted, and it is reserved for Midrange storage or Vxrail. It was less expensive than licensing unlimited VM's per processor in the Lottery's case. The quantity isn't (200) 100 packs, it is (2) 100 packs, one per DC. The quantity is shown is correct per Dell/EMC SKU the way it is reflected looks like 200 VM's but it is not.

**Q.29. If SRM is not going to be used, is it ok to remove the VMware Professional Service quote request from the RFQ?**

**A.29.** No. VMWARE professional Services and IT Training are required as specified in this contact and Vendor will not be performing services related to the VMWARE installations or EMC work. Vendor is only a pass through. Vendor will only be a part of Server migrations and Active Directory work as specified.

**Q.30. If SRM will be used, how many OSI licenses does WVL own and are the maintenance current?**

**A.30.** 50 SRM Licenses. Yes maintenance is current. See Question 31. Dell/VMWARE will be doing SRM work.

**Q.31. If SRM will be used and WVL owns the SRM licenses, when is maintenance good until?**

**A.31.** 03/05/2025 after award of maintenance bid shortly.

#### ***PROCUREMENT QUESTIONS***

**Q.32. Is this procurement considered a Capital or Operating expense to the agency / state?**

**A.32.** Capital

## EXHIBIT A Revised 5/13/2020 for Addendum 1

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
HCI Nodes-VXRail						
TPM1.2MODULEAF		VXRail-500 TPM 1.2 MODULE AF	60	12		\$ -
PS1100WPSF		VXRail-500 DUAL HOTPLG 1100W PS F	60	12		\$ -
INSTLCTRYUSAFR640F		VXRail-500 USA SHIPMOD F	60	12		\$ -
SYSE5601SVENTF		VXRail 14G E560 1U1N 1S VSAN ENT AF	60	12		\$ -
PWR200VRACK		C13-C14 PDU RACK PWR CRD 2M N. AM	60	48		\$ -
RRAILKIT1U1NCMAAF		VXRail-500 A7 RRAILS II WITH CMA 1U1N AF	60	12		\$ -
1S8HPFANE560165GR		VXRail-500 1S 8 HIGH PERF FAN 165W/GRT	60	12		\$ -
1SE560HSKDM165OL		VXRail-500 1S E560 165WL HTK DIMM BLNK	60	12		\$ -
PROGD62481SF		VXR INTEL CPU GD 6248 2.5G, 20C/40T 1S F	60	12		\$ -
RISER640CNFG4SNGL		VXRail-500 RISER R640 CONFIG4 LP	60	12		\$ -
VXRNOADDDPROC		VXR NO ADDITIONAL PROCESSOR FOR GEN 2	60	12		\$ -
MEM16GB2933MTF		VXRail MEMORY 16GB 2933MT RDIMM F	60	72		\$ -
RDIMM2933INFO		VXRail FACTORYORD RQ 2933MHZ RDIMM	60	12		\$ -
INSTLKITSFP28F		VXRail-500 INSTALL KIT SFP28 25GB F	60	12		\$ -
NDCSFP28DP25GF		VXRail-500 NDC SFP28 DP 25GB F	60	12		\$ -
CAPSSDSAS3.84TBF		VXR 3.84TB CAPACITY SAS 2.5IN SSD F	60	48		\$ -
CACHESSD800GB		VXR 800GB CACHE SSD 2.5IN	60	12		\$ -
M-PSP-HW-J-003-5Y		PROSUPPORT PLUS 4HR/MC VSAN ENT HW-5 YR	60	12		\$ -
M-PRTSRT-DE14-5Y		PARTS RETENTION UPLIFT 5 YEAR	60	12		\$ -
VXR-14G-MGR-DE-4.7		VXRail SOFTWARE IMAGE V4.7=MA	60	12		\$ -
458-001-937		RECOVERPOINT FOR VM FOR 1-NODE HCIA	60	12		\$ -
456-111-959		RECOVERPOINT FOR VM FOR 1-NODE HCIA =IB	60	12		\$ -
M-PSP-SW-D3-001		PROSUPPORT PLUS 4HR/MC SOFTWARE SUPPORT	60	12		\$ -
458-002-519		VXRail VMWARE VSAN ENTERPRISE	60	12		\$ -
456-113-811		VXRail VMWARE VSANENTERPRISE 5Y MAINT=IG	60	12		\$ -
M-PSP-SW-J-007		PROSUPPORT PLUS 4HR/MC VSAN ENT SW SPPT	60	12		\$ -
VXROSGDPROCSF		VXRail HCI SYSTEM SOFTWARE(G F)=IG	60	12		\$ -
M-PSP-SW-J-001		PROSUPPORT PLUS 4HR/MC SOFTWARE SUPPORT	60	12		\$ -
VXROS3.84SASF		VXR HCI SYSTEM SOFTWARE(CAP 3.84 SAS)=CF	60	48		\$ -
M-PSP-SW-J-001		PROSUPPORT PLUS 4HR/MC SOFTWARE SUPPORT	60	12		\$ -



## EXHIBIT A Revised 5/13/2020 for Addendum 1

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
PS-PDP-RP4VMDP		PDP FOR RECOVERPOINT FOR VM	N/A	2		\$ -
CE-PDPHCITC0001		1 TRAINING CREDIT VALID 1YR (PDP HCI)	N/A	1200		\$ -
PS-PDP-P30VXRIL		30DAYPOSTDEPLOYASSIST VXRIL	N/A	2		\$ -
PS-PDP-VXRDP		PDP FOR VXRIL DEPLOY PER NODE	N/A	12		\$ -
PSINST-ESRS		ESRS INSTALL	N/A	2		\$ -
PS-BAS-VXRTRRES		RESIDENCY FOR HCI TR	N/A	3		\$ -
PS-BAS-IDMVB		IDM DATA MIGRATION VIRTUAL, BASE	N/A	1		\$ -
PS-BAS-IDMVE		IDM DATA MIGRATION VIRTUAL, EVENT	N/A	2		\$ -
PS-BAS-IDMVA		IDM DATA MIGRATION VIRTUAL, ADD-ON	N/A	1		\$ -
CE-HCITC0001		1 TRAINING CREDIT VALID 1YR (HCI)	N/A	10000		\$ -
<b>Subtotal</b>						\$ -
<b>Unstructured Storage-ISILON</b>						
851-0209-P		PROMO CABLE, IB QDR, QSFP-QSFP, 3M	60	12		\$ -
851-0167-P		PROMO MELLANOX 8 PORT QDR SWITCH	60	4		\$ -
X210-SATA-S03-P		PROMO X210-11T+200G SSD/24G/2X10GE 2X1GE	60	6		\$ -
851-0099-P		PROMO 2 SFP+ OPTICS KIT - 10GBE	60	6		\$ -
800-0012-P		PROMO 2 PWRCRD C14-C13,208V UNIVERSAL	60	10		\$ -
612-0027		24GB RAM (NEXT GEN)	60	6		\$ -
613-0008		10GBE DUAL-PORT SFP WITHOUT OPTICS	60	6		\$ -
611-0005		11TB+200GB SSD/ 3.5IN	60	6		\$ -
M-PSP-HW-IUE-001		PROSUPPORT PLUS HARDWARE SUPPORT	60	2		\$ -
M-PARTRT-PR3-I01		PARTS RETENTION UPLIFT(ISILON)	60	2		\$ -
TRK-ENTERP DESC		CONADV/SNAP/QTA	60	2		\$ -
201-0347-CF		SW: STARTER PROMO ENT BUNDLE T2 GEN5 =ID	60	6		\$ -
M-PSP-SW-IUE-001		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2		\$ -
200-0404-CF		INSIGHTIQ FOR ONEFS GEN5 =ID	60	6		\$ -
M-PSP-SW-I-001		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2		\$ -
CE-PDPISLTC0001		1 TRAINING CREDIT VALID 1YR (PDP ISL)	N/A	4500		\$ -
PS-PDP-P30ISILON		30DAYPOSTDEPLOYASSIST ISILON	N/A	4		\$ -
PS-PDP-ISIADV2UDP		PDP FOR ISILON ADVANCED BUNDLE 2U NODE	N/A	2		\$ -
PS-PDPAD-ISIAD2UIN		PDP ADDON, ISILON ADD 1 2U NODE	N/A	4		\$ -

## EXHIBIT A Revised 5/13/2020 for Addendum 1

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
PS-PDPAD-ISIADF2DP		PDP ADDON, ISILON ADD FEATURE 2U NODE	N/A	2		\$ -
PS-BAS-ISITRRES		RESIDENCY FOR ISILON - TR	N/A	2		\$ -
CE-ISLTC0001		1 TRAINING CREDIT VALID 1YR (ISL)	N/A	11400		\$ -
200-0986-CF		ENTERPRISE-SMARTLOCK TIER 3 GEN5 =ID	60	6		\$ -
M-PSP-SW-I-001		PROSUPPORT PLUS SOFTWARE SUPPORT	60	1		\$ -
200-0263-CF		ENTERPRISE-SYNCIQ TIER 3 GEN5 =ID	60	6		\$ -
M-PSP-SW-I-001		PROSUPPORT PLUS SOFTWARE SUPPORT	60	1		\$ -
PS-PDPAD-ISIADFEDP		PDP ADDON, ISILON FEATURE OR WORKLOAD	N/A	2		\$ -
PS-PDP-ISIOFSSYDP		PDP FOR ISILON ONEFS SYNCIQ	N/A	2		\$ -
IGLS-CB-5YR		SEL IGLS STARTER SUITE 2 CLSTR BUNDLE 5Y	60	1		\$ -
PS-BAS-ISIIDMB		ISILON IDM DATA MIGRATION FILE, BASE	N/A	1		\$ -
PS-BAS-ADSMMLK		CONFIGURE UPTO 10 SMARTLOCK FOLDERS	N/A	1		\$ -
Subtotal						\$ -
Data Protection-IDPA						
DPXCVR-10GBE-4400		TRANSCEIVER 10GBE SFP+ DP4400 300M	60	8		\$ -
DPCBL-LC-OM4-10ME		10 M LC TO LC CABLE KIT	60	8		\$ -
DPAPPL_4400		ANCHOR DP APPLIANCE 4400	60	2		\$ -
DP4400_12TB_PACK		DP4400 12TB CAPACITY EXPANSION PACK	60	6		\$ -
DP4400_24TB_SFP8		IDPA DP4400 24TB 8X10G SFP	60	2		\$ -
M-PSP-HW-DD-E1		PROSUPPORT PLUS HARDWARE SUPPORT	60	2		\$ -
M-PARTRT-PR3-DPE		PARTS RETENTION UPLIFT DPAD-E	60	2		\$ -
IDPA_DDVE_62		IDPA DDOS 6.2 VIRTUAL EDITION=IA	60	2		\$ -
458-002-414		DATA PROTECTION CENTRAL ENTRY=CA	60	2		\$ -
M-PSP-SW-DD-E1		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2		\$ -
458-002-436		IDPA DP4400 ENV CONFIG	60	2		\$ -
456-113-621		IDPA BU APP ENABLER ENTRY=IA	60	2		\$ -
456-113-623		ANALYTICS ENABLER ENTRY=CB	60	2		\$ -
456-113-620		FEDERATED REPORTING SERVER ENTRY=IA	60	2		\$ -
456-113-661		IDPA TARGET PROTOCOL ENABLER ENTRY=CA	60	2		\$ -
456-113-624		IDPA BU SEARCH ENABLER ENTRY=CA	60	2		\$ -



## EXHIBIT A Revised 5/13/2020 for Addendum 1

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
456-107-987		DP4400 CAPACITY ENABLER DDVE 12TB=CC	60	10		\$ -
456-113-622		VREALIZE ENABLER ENTRY=IA	60	2		\$ -
456-113-781		IDPA BOOSTFS 1 TB RAW ENABLER ENTRY=CB	60	120		\$ -
M-PSP-SW-DD-E1		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2		\$ -
458-002-482		DP4400 DD CLOUD DR ESSENTIALS 5TB=CC	60	2		\$ -
M-PSP-SW-DD-E1		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2		\$ -
PS-PDP-IDPAVEDP		PDP FOR IDPA DP4X SERIES	N/A	2		\$ -
CE-PDPDPDTC0001		1 TRAINING CREDIT VALID 1YR (PDP DP)	N/A	1800		\$ -
PS-PDP-P30IDPA		30DAYPOSTDEPLOYASSIST IDPA	N/A	2		\$ -
PS-PDP-DPADP		PDP FOR DPA DEPLOY	N/A	1		\$ -
PS-PDP-SRCHDP		PDP FOR SEARCH DEPLOY	N/A	1		\$ -
PSINST-ESRS		ESRS INSTALL	N/A	2		\$ -
PS-BAS-DPADPS		DPA IMPLEMENTATION FOR DPS BASE	N/A	1		\$ -
PS-BAS-DPADPSA		DPA IMPLEMENTATION FOR DPS ADD-ON	N/A	1		\$ -
PS-BAS-DPTRRES		RESIDENCY FOR DATA PROTECTION - TR	N/A	1		\$ -
PS-PDPAD-DPSVWDP		PDP ADDON, DATA PROTECTION SUITE VMWARE	N/A	1		\$ -
PS-PDADT-RDPDTECH		PRODEPLOY ADDL DEP TIME: REMOTE DPD TECH	N/A	3		\$ -
PS-PDADT-OPM		PD ADDL DEPL TIME: 8HR ONSITE PRJ MGR	N/A	5		\$ -
CE-DPDT0001		1 TRAINING CREDIT VALID 1YR (DP)	N/A	12000		\$ -
458-002-484		EMC GRANULAR RECOVERY MICROSOFT HIGH=CA	60	120		\$ -
M-PSP-SW-DD-H1		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2		\$ -
458-001-440		RECOVERPOINT FOR VM STARTER PACKS	12	2		\$ -
456-113-589		RP4VM 5VM STARTER PACK FOR DP4400=IB	12	2		\$ -
M-PSP-SW-D3-001		PROSUPPORT PLUS SOFTWARE SUPPORT	12	2		\$ -
458-002-352		DELL EMC ESA FOR VROPS=IC	12	1		\$ -
M-PSM-SW-D3-001		PROSUPPORT W/MISSION CRITICAL-SOFTWARE	12	1		\$ -
RP-LNX-GPL		RECOVERPOINT LINUX GPLV3 DISTRIBUTION	N/A	1		\$ -
458-002-195		RP4VM MIDRANGE PACK	60	1		\$ -
456-113-102		RP4VM MIDRANGE PACK 100 =IB	60	200		\$ -



## EXHIBIT A Revised 5/13/2020 for Addendum 1

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
M-PSP-SW-D3-001		PROSUPPORT PLUS SOFTWARE SUPPORT	60	1		\$ -
PS-PDP-P30RP4VM		30DAYPOSTDEPLOYASSIST RP4VM	N/A	1		\$ -
CE-PDPDPDTC0001		1 TRAINING CREDIT VALID 1YR (PDP DP)	N/A	600		\$ -
PS-PDP-RP4VMDP		PDP FOR RECOVERPOINT FOR VM	N/A	1		\$ -
<b>Subtotal</b>						\$ -
<b>Servers</b>						
G0J1TUI		PowerEdge R340 Server	60	3		\$ -
GFC801N		Trusted Platform Module 2.0	60	3		\$ -
GEX9H81		3.5" Chassis with up to 4 Hot Plug Hard Drives	60	3		\$ -
G3GUMFS		PowerEdge R340 Shipping	60	3		\$ -
GTUWYC8		Intel® Xeon® E-2124 3.3GHz, 8M cache, 4C/4T, turbo (71W)	60	3		\$ -
GH5K9IL		Heatsink for 80W or less CPU	60	3		\$ -
G538WOB		2666MT/s UDIMMs	60	3		\$ -
GH9QBEI		Performance Optimized	60	3		\$ -
GQS56YE		8GB 2666MT/s DDR4 ECC UDIMM	60	6		\$ -
GOV1697		C3, RAID 1 for 2 HDDs or SSDs (Matching Type/Speed/Capacity)	60	3		\$ -
G5P7SZM		PERC H330 RAID Controller, Adapter	60	3		\$ -
GBHCZQ4		480GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive, 3.5in HYB CARR, 3 DWPD, 2628 TBW	60	6		\$ -
GZ7VTNS		On-Board Broadcom 5720 Dual Port 1Gb LOM	60	3		\$ -
G4BZI6S		Intel X710 Dual Port 10GbE SFP+ Adapter, PCIe Full Height	60	3		\$ -
G7P15BR		iDRAC9, Enterprise	60	3		\$ -
GA3C9NO		DVD ROM, SATA, Internal for Hot Plug Chassis	60	3		\$ -
GFK9A8H		ReadyRails™ Static Rails for 2/4-post Racks	60	3		\$ -
GMPFC0B		PowerEdge 1U Standard Bezel	60	3		\$ -
GJO594B		Performance BIOS Setting	60	3		\$ -
GPHWFU8		NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord, North America	60	6		\$ -
G0FARJY		Dual, Hot-plug, Redundant Power Supply, 350W	60	3		\$ -
GA61G9R		PowerEdge R340 Shipping Material for 3.5" Chassis	60	3		\$ -
GTVA94K		iDRAC Group Manager, Disabled	60	3		\$ -

## EXHIBIT A Revised 5/13/2020 for Addendum 1

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
G2T768J		iDRAC, Factory Generated Password	60	3		\$ -
G71J5VU		PCIe Riser with Fan with up to 1 FH/HL, x8 PCIe + 1 LP, x4 PCIe Gen3 Slots	60	3		\$ -
GEG3QPR		5 Years, ProSupport Plus Mission Critical 4 Hour Onsite Service	60	3		\$ -
PDEPLUS		ProDeploy Plus Dell Server R Series 1U/2U	60	3		\$ -
GEF5VJU		5 Years, Keep Your Hard Drive	60	3		\$ -
Subtotal						\$ -
Network-Switches, Transceivers, Cables, Etc.						
470-ACMF		SEL LC/LC FIBER PATCH CABLE 3M ATTACH	60	20		\$ -
407-BBBY		SEL - QSFP+ - 40G SR4 ATTACH	60	4		\$ -
470-ACEV		SEL - SFP28 - 25G DAC 3M ATTACH	60	24		\$ -
407-BBEF		SEL - 10G XCVR SR ATTACH	60	24		\$ -
470-ABPY		SEL GZ80XFA - 100G DAC 1M CUS KIT	60	4		\$ -
470-ACMN		SEL LC/LC FIBER PATCH CABLE 10M CUS KIT	60	12		\$ -
210-APFC		SEL S5248F-ON, PSU TO IO 2 PSU OS10 TAA	60	4		\$ -
5248AMER5PPMC		SEL S5248F-ON 5YR PROSUPPORTPLUS MC(4HR)	60	4		\$ -
5248AMER1RTD		SEL S5248F-ON 1 YR RETURN TO DEPOT	60	4		\$ -
CE-PDPSTRTC0001		1 TRAINING CREDIT VALID 1YR (PDP STR)	N/A	800		\$ -
PS-PDP-P30CNCTRIX		30DAYPOSTDEPLOYASSIST CONNECTRIX	N/A	2		\$ -
PS-PDP-S5XXXDP		PDP FOR DELL EMC NETWORKING S5XXX	N/A	4		\$ -
Sub Totals						\$ -
Additional Services (As Needed 8 hour increments)						
PS-PDADT-OHCITECH		PRODEPLOY ADDL DEP TIME: ONSITE HCI TECH	N/A	1		\$ -
PS-PDADT-OISITECH		PRODEPLOY ADDL DEP TIME: ONSITE ISI TECH	N/A	1		\$ -
PS-PDADT-OPM		PRODEPLOY ADDL DEP TIME: ONSITE PRJ MGR	N/A	1		\$ -
PS-PDADT-ODPDTECH		PRODEPLOY ADDL DEP TIME: ONSITE DPD TECH	N/A	1		\$ -
PS-PDADT-RHCITECH		PRODEPLOY ADDL DEP TIME: REMOTE HCI TECH	N/A	1		\$ -
PS-PDADT-RISITECH		PRODEPLOY ADDL DEP TIME: REMOTE ISI TECH	N/A	1		\$ -
PS-PDADT-RDPDTECH		PRODEPLOY ADDL DEP TIME: REMOTE DPD TECH	N/A	1		\$ -
Sub Totals						\$ -



## EXHIBIT A Revised 5/13/2020 for Addendum 1

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price

<b>Additional Services</b> <i>VMWARE Training and VMWARE Support Services</i>						
Vmware Service Credits SVC-CR-20		975 for CONSULTING & TRAINING CREDITS RFQ 4.37.6	N/A	975		\$ -
Vmware Service Credits SVC-CR-20		260 credits Live Online Training VSphere: Fast Track V6.7 – 5 Days 4 persons	N/A	260		\$ -
Vmware Service Credits SVC-CR-20		104 Credits for Online Training for vSAN: Deploy & Manage V6.7	N/A	104		\$ -
Vmware Service Credits SVC-CR-20		68 Credits for Online Training for SRM: Install, Configure Manage V6.1	N/A	68		\$ -
Sub Totals						\$ -

<b>Section B:</b>						
Custom Work Pricing Page <i>(For Assessment in cost)</i>	(These are vendor provided services)	Server Replatforming to 2016 and Service Migrations				
				Hours		
Clustered SQL Server Replatform		Vendor Support*		100		\$ -
Domain Controller and Active Directory Migration		Active Directory Vendor Support migration*		100		\$ -
Clustered Microsoft Exchange Server Migration		Exchange Webmail and Presence Support*		100		\$ -
Radius and Printer Server Migration		Vendor Support Authentication and Printing*		100		\$ -
Subtotal						\$ -

Total Price	\$ -
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Note 1: Any bidder proposing an 'or equal' solution must include a full bill of materials reflecting item descriptions quantities and support terms.

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: LOT2000000009**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

(Check the box next to each addendum received)

<input checked="" type="checkbox"/> Addendum No. 1	<input type="checkbox"/> Addendum No. 6
<input type="checkbox"/> Addendum No. 2	<input type="checkbox"/> Addendum No. 7
<input type="checkbox"/> Addendum No. 3	<input type="checkbox"/> Addendum No. 8
<input type="checkbox"/> Addendum No. 4	<input type="checkbox"/> Addendum No. 9
<input type="checkbox"/> Addendum No. 5	<input type="checkbox"/> Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Ahead

Company



Authorized Signature

19 May 2020

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.  
Revised 6/8/2012





Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

State of West Virginia  
Request for Quotation  
21 — Info Technology

Proc Folder: 698128

Doc Description: Addendum 1 - INFRASTRUCTURE STORAGE SOLUTION AND CONF

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2020-05-13	2020-05-19 13:30:00	CRFQ 0705 LOT2000000009	2

**BID RECEIVING LOCATION**

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV

25305

US

**VENDOR**

Vendor Name, Address and Telephone Number:

Ahead

401 N Michigan Avenue, 34th floor

Chicago, IL 60611

(312) 924-4492

**FOR INFORMATION CONTACT THE BUYER**

Linda B Harper

(304) 558-0468

[linda.b.harper@wv.gov](mailto:linda.b.harper@wv.gov)

Signature X

FEIN # 20-8476250

DATE 19 May 2020

All offers subject to all terms and conditions contained in this solicitation

**ADDITIONAL INFORMATION:**

Addendum 1 issued for the following reasons:

1. To publish a copy of vendor questions and responses.
2. To modify the pricing page, see attached Exhibit A Pricing Page - Revised for Addendum 1.

No other changes

INVOICE TO		SHIP TO	
ACCOUNTS PAYABLE LOTTERY PO BOX 2067		PURCHASING LOTTERY 900 PENNSYLVANIA AVE	
CHARLESTON	WV 25327-2067	CHARLESTON	WV 25302
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Computer servers - ENTER TOTAL BID AMOUNT FROM EXHIBIT A				

Comm Code	Manufacturer	Specification	Model #
43211501			

**Extended Description :**

VENDORS SUBMITTING BIDS ONLINE SHOULD ENTER THE TOTAL BID AMOUNT FROM THE EXHIBIT A PRICING PAGE (CONTRACT AMOUNT) AND ATTACH A COPY WITH THEIR BID SUBMISSION

**SCHEDULE OF EVENTS**

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Question Deadline 2:00 pm	2020-05-11

<b>LOT2000000009</b>	<b>Document Phase</b> <b>Final</b>	<b>Document Description</b> Addendum 1 - INFRASTRUCTURE STORAGE SOLUTION AND CONF	<b>Page 3</b> <b>of 3</b>
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#### **ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

## EXHIBIT A Revised 5/13/2020 for Addendum 1

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
HCI Nodes-VXRAIL						
TPM1.2MODULEAF		VXRAIL-500 TPM 1.2 MODULE AF	60	12	\$27.69	\$ 332.28
PS1100WPSF		VXRAIL-500 DUAL HOTPLG 1100W PS F	60	12	\$368.00	\$ 4,416.00
INSTLCTRYUSAFR640F		VXRAIL-500 USA SHIPMOD F	60	12	\$36.18	\$ 434.16
SYSE5601SVENTF		VXRAIL 14G E560 1U1N 1S VSAN ENT AF	60	12	\$5,396.00	\$ 64,752.00
PWR200VRACK		C13-C14 PDU RACK PWR CRD 2M N. AM	60	48	\$0.00	\$ -
RRAILKIT1U1NCMAAF		VXRAIL-500 A7 RRAILS II WITH CMA 1U1N AF	60	12	\$23.23	\$ 278.76
1S8HPFANE560165GR		VXRAIL-500 1S 8 HIGH PERF FAN 165W/GRT	60	12	\$104.00	\$ 1,248.00
1SE560HSKDM165OL		VXRAIL-500 1S E560 165WL HTK DIMM BLNK	60	12	\$10.72	\$ 128.64
PROGD62481SF		VXR INTEL CPU GD 6248 2.5G, 20C/40T 1S F	60	12	\$2,152.00	\$ 25,824.00
RISER640CNFG4SNGL		VXRAIL-500 RISER R640 CONFIG4 LP	60	12	\$8.49	\$ 101.88
VXRNOADDPROC		VXR NO ADDITIONAL PROCESSOR FOR GEN 2	60	12	\$0.00	\$ -
MEM16GB2933MTF		VXRAIL MEMORY 16GB 2933MT RDIMM F	60	72	\$241.00	\$ 17,352.00
RDIMM2933INFO		VXRAIL FACTORYORD RQ 2933MHZ RDIMM	60	12	\$0.00	\$ -
INSTLKITSFP28F		VXRAIL-500 INSTALL KIT SFP28 25GB F	60	12	\$9.38	\$ 112.56
NDCSFP28DP25GF		VXRAIL-500 NDC SFP28 DP 25GB F	60	12	\$317.00	\$ 3,804.00
CAPSSDSAS3.84TBF		VXR 3.84TB CAPACITY SAS 2.5IN SSD F	60	48	\$1,572.00	\$ 75,456.00
CACHESSD800GB		VXR 800GB CACHE SSD 2.5IN	60	12	\$982.00	\$ 11,784.00
M-PSP-HW-J-003-5Y		PROSUPPORT PLUS 4HR/MC VSAN ENT HW-5 YR	60	12	\$10,312.00	\$ 123,744.00
M-PRTSRT-DE14-5Y		PARTS RETENTION UPLIFT 5 YEAR	60	12	\$520.00	\$ 6,240.00
VXR-14G-MGR-DE-4.7		VXRAIL SOFTWARE IMAGE V4.7=MA	60	12	\$0.00	\$ -
458-001-937		RECOVERPOINT FOR VM FOR 1-NODE HCIA	60	12	\$0.00	\$ -
456-111-959		RECOVERPOINT FOR VM FOR 1-NODE HCIA =IB	60	12	\$0.00	\$ -
M-PSP-SW-D3-001		PROSUPPORT PLUS 4HR/MC SOFTWARE SUPPORT	60	12	\$0.00	\$ -
458-002-519		VXRAIL VMWARE VSAN ENTERPRISE	60	12	\$0.00	\$ -
456-113-811		VXRAIL VMWARE VSANENTERPRISE 5Y MAINT=IG	60	12	\$0.00	\$ -
M-PSP-SW-J-007		PROSUPPORT PLUS 4HR/MC VSAN ENT SW SPPT	60	12	\$0.00	\$ -
VXROSGDPROCFS		VXRAIL HCI SYSTEM SOFTWARE(G F)=IG	60	12	\$1,969.00	\$ 23,628.00
M-PSP-SW-J-001		PROSUPPORT PLUS 4HR/MC SOFTWARE SUPPORT	60	12	\$1,181.00	\$ 14,172.00
VXROS3.84SASF		VXR HCI SYSTEM SOFTWARE(CAP 3.84 SAS)=CF	60	48	\$699.00	\$ 33,552.00
M-PSP-SW-J-001		PROSUPPORT PLUS 4HR/MC SOFTWARE SUPPORT	60	12	\$1,677.00	\$ 20,124.00
PS-PDP-RP4VMDP		PDP FOR RECOVERPOINT FOR VM	N/A	2	\$12,000.00	\$ 24,000.00
CE-PDPHCITC0001		1 TRAINING CREDIT VALID 1YR (PDP HCI)	N/A	1200	\$1.00	\$ 1,200.00
PS-PDP-P30VXRAIL		30DAYPOSTDEPLOYASSIST VXRAIL	N/A	2	\$240.00	\$ 480.00
PS-PDP-VXRDP		PDP FOR VXRAIL DEPLOY PER NODE	N/A	12	\$3,840.00	\$ 46,080.00
PSINST-ESRS		ESRS INSTALL	N/A	2	\$0.00	\$ -



## EXHIBIT A Revised 5/13/2020 for Addendum 1

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
PS-BAS-VXRTRRES		RESIDENCY FOR HCI TR	N/A	3	\$39,000.00	\$ 117,000.00
PS-BAS-IDMVB		IDM DATA MIGRATION VIRTUAL, BASE	N/A	1	\$1,750.00	\$ 1,750.00
PS-BAS-IDMVE		IDM DATA MIGRATION VIRTUAL, EVENT	N/A	2	\$2,150.00	\$ 4,300.00
PS-BAS-IDMVA		IDM DATA MIGRATION VIRTUAL, ADD-ON	N/A	1	\$1,075.00	\$ 1,075.00
CE-HCITC0001		1 TRAINING CREDIT VALID 1YR (HCI)	N/A	10000	\$1.00	\$ 10,000.00
<b>Subtotal</b>						<b>\$ 17,125.00</b>
<b>Unstructured Storage-ISILON</b>						
851-0209-P		PROMO CABLE, IB QDR, QSFP-QSFP, 3M	60	12	\$0.00	\$ -
851-0167-P		PROMO MELLANOX 8 PORT QDR SWITCH	60	4	\$0.00	\$ -
X210-SATA-S03-P		PROMO X210-11T+200G SSD/24G/2X10GE 2X1GE	60	6	\$10,693.00	\$ 64,158.00
851-0099-P		PROMO 2 SFP+ OPTICS KIT - 10GBE	60	6	\$0.00	\$ -
800-0012-P		PROMO 2 PWRCRD C14-C13,208V UNIVERSAL	60	10	\$0.00	\$ -
612-0027		24GB RAM (NEXT GEN)	60	6	\$0.00	\$ -
613-0008		10GBE DUAL-PORT SFP WITHOUT OPTICS	60	6	\$0.00	\$ -
611-0005		11TB+200GB SSD/ 3.5IN	60	6	\$0.00	\$ -
M-PSP-HW-IUE-001		PROSUPPORT PLUS HARDWARE SUPPORT	60	2	\$22,456.00	\$ 44,912.00
M-PARTRT-PR3-I01		PARTS RETENTION UPLIFT(ISILON)	60	2	\$917.00	\$ 1,834.00
TRK-ENTERP DESC		CONADV/SNAP/QTA	60	2	\$0.00	\$ -
201-0347-CF		SW: STARTER PROMO ENT BUNDLE T2 GEN5 =ID	60	6	\$0.00	\$ -
M-PSP-SW-IUE-001		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2	\$0.00	\$ -
200-0404-CF		INSIGHTIQ FOR ONEFS GEN5 =ID	60	6	\$0.00	\$ -
M-PSP-SW-I-001		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2	\$4,820.00	\$ 9,640.00
CE-PDPISLTC0001		1 TRAINING CREDIT VALID 1YR (PDP ISL)	N/A	4500	\$1.00	\$ 4,500.00
PS-PDP-P30ISILON		30DAYPOSTDEPLOYASSIST ISILON	N/A	4	\$0.00	\$ -
PS-PDP-ISIADV2UDP		PDP FOR ISILON ADVANCED BUNDLE 2U NODE	N/A	2	\$13,230.00	\$ 26,460.00
PS-PDPAD-ISIAD2UIN		PDP ADDON, ISILON ADD 1 2U NODE	N/A	4	\$1,350.00	\$ 5,400.00
PS-PDPAD-ISIADF2DP		PDP ADDON, ISILON ADD FEATURE 2U NODE	N/A	2	\$0.00	\$ -
PS-BAS-ISITRRES		RESIDENCY FOR ISILON - TR	N/A	2	\$34,530.00	\$ 69,060.00
CE-ISLTC0001		1 TRAINING CREDIT VALID 1YR (ISL)	N/A	11400	\$1.00	\$ 11,400.00
200-0986-CF		ENTERPRISE-SMARTLOCK TIER 3 GEN5 =ID	60	6	\$803.00	\$ 4,818.00
M-PSP-SW-I-001		PROSUPPORT PLUS SOFTWARE SUPPORT	60	1	\$11,830.00	\$ 11,830.00
200-0263-CF		ENTERPRISE-SYNCCIQ TIER 3 GEN5 =ID	60	6	\$1,972.00	\$ 11,832.00
M-PSP-SW-I-001		PROSUPPORT PLUS SOFTWARE SUPPORT	60	1	\$0.00	\$ -
PS-PDPAD-ISIADFEDP		PDP ADDON, ISILON FEATURE OR WORKLOAD	N/A	2	\$3,000.00	\$ 6,000.00
PS-PDP-ISIOFSSYDP		PDP FOR ISILON ONEFS SYNCCIQ	N/A	2	\$7,600.00	\$ 15,200.00
IGLS-CB-5YR		SEL IGLS STARTER SUITE 2 CLSTR BUNDLE 5Y	60	1	\$36,528.00	\$ 36,528.00

## EXHIBIT A Revised 5/13/2020 for Addendum 1

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
PS-BAS-ISIIDMB		ISILON IDM DATA MIGRATION FILE, BASE	N/A	1	\$7,050.00	\$ 7,050.00
PS-BAS-ADSMK		CONFIGURE UPTO 10 SMARTLOCK FOLDERS	N/A	1	\$0.00	\$ -
<b>Subtotal</b>						<b>\$ 330,622.00</b>
<b>Data Protection-IDPA</b>						
DPXCVR-10GBE-4400		TRANSCEIVER 10GBE SFP+ DP4400 300M	60	8	\$ 331.00	\$ 2,648.00
DPCBL-LC-OM4-10ME		10 M LC TO LC CABLE KIT	60	8	\$ 46.95	\$ 375.60
DPAPPL_4400		ANCHOR DP APPLIANCE 4400	60	2	\$ -	\$ -
DP4400_12TB_PACK		DP4400 12TB CAPACITY EXPANSION PACK	60	6	\$ 21,361.00	\$ 128,166.00
DP4400_24TB_SFP8		IDPA DP4400 24TB 8X10G SFP	60	2	\$ 42,722.00	\$ 85,444.00
M-PSP-HW-DD-E1		PROSUPPORT PLUS HARDWARE SUPPORT	60	2	\$ 96,124.00	\$ 192,248.00
M-PARTRT-PR3-DPE		PARTS RETENTION UPLIFT DPAD-E	60	2	\$ 3,054.00	\$ 6,108.00
IDPA_DDVE_62		IDPA DDOS 6.2 VIRTUAL EDITION=IA	60	2	\$ -	\$ -
458-002-414		DATA PROTECTION CENTRAL ENTRY=CA	60	2	\$ -	\$ -
M-PSP-SW-DD-E1		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2	\$ -	\$ -
458-002-436		IDPA DP4400 ENV CONFIG	60	2	\$ -	\$ -
456-113-621		IDPA BU APP ENABLER ENTRY=IA	60	2	\$ -	\$ -
456-113-623		ANALYTICS ENABLER ENTRY=CB	60	2	\$ -	\$ -
456-113-620		FEDERATED REPORTING SERVER ENTRY=IA	60	2	\$ -	\$ -
456-113-661		IDPA TARGET PROTOCOL ENABLER ENTRY=CA	60	2	\$ -	\$ -
456-113-624		IDPA BU SEARCH ENABLER ENTRY=CA	60	2	\$ -	\$ -
456-107-987		DP4400 CAPACITY ENABLER DDVE 12TB=CC	60	10	\$ -	\$ -
456-113-622		VREALIZE ENABLER ENTRY=IA	60	2	\$ -	\$ -
456-113-781		IDPA BOOSTFS 1 TB RAW ENABLER ENTRY=CB	60	120	\$ -	\$ -
M-PSP-SW-DD-E1		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2	\$ -	\$ -
458-002-482		DP4400 DD CLOUD DR ESSENTIALS 5TB=CC	60	2	\$ -	\$ -
M-PSP-SW-DD-E1		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2	\$ -	\$ -
PS-PDP-IDPAVEDP		PDP FOR IDPA DP4X SERIES	N/A	2	\$ 6,310.00	\$ 12,620.00
CE-PDPDPDTC0001		1 TRAINING CREDIT VALID 1YR (PDP DP)	N/A	1800	\$ 1.00	\$ 1,800.00
PS-PDP-P30IDPA		30DAYPOSTDEPLOYASSIST IDPA	N/A	2	\$ 240.00	\$ 480.00
PS-PDP-DPADP		PDP FOR DPA DEPLOY	N/A	1	\$ 9,405.00	\$ 9,405.00
PS-PDP-SRCHDP		PDP FOR SEARCH DEPLOY	N/A	1	\$ 11,183.00	\$ 11,183.00
PSINST-ESRS		ESRS INSTALL	N/A	2	\$ -	\$ -
PS-BAS-DPADPS		DPA IMPLEMENTATION FOR DPS BASE	N/A	1	\$ 4,580.00	\$ 4,580.00
PS-BAS-DPADPSA		DPA IMPLEMENTATION FOR DPS ADD-ON	N/A	1	\$ 1,970.00	\$ 1,970.00
PS-BAS-DPTRRES		RESIDENCY FOR DATA PROTECTION - TR	N/A	1	\$ 36,507.00	\$ 36,507.00

## EXHIBIT A Revised 5/13/2020 for Addendum 1

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
PS-PDPAD-DPSVWDP		PDP ADDON, DATA PROTECTION SUITE VMWARE	N/A	1	\$ 21,555.00	\$ 21,555.00
PS-PDADT-RDPDTECH		PRODEPLOY ADDL DEP TIME: REMOTE DPD TECH	N/A	3	\$ 17,658.00	\$ 52,974.00
PS-PDADT-OPM		PD ADDL DEPL TIME: 8HR ONSITE PRJ MGR	N/A	5	\$ 4,100.00	\$ 20,500.00
CE-DPDT0001		1 TRAINING CREDIT VALID 1YR (DP)	N/A	12000	\$ 1.00	\$ 12,000.00
458-002-484		EMC GRANULAR RECOVERY MICROSOFT HIGH=CA	60	120	\$ -	\$ -
M-PSP-SW-DD-H1		PROSUPPORT PLUS SOFTWARE SUPPORT	60	2	\$ -	\$ -
458-001-440		RECOVERPOINT FOR VM STARTER PACKS	12	2	\$ -	\$ -
456-113-589		RP4VM 5VM STARTER PACK FOR DP4400=IB	12	2	\$ -	\$ -
M-PSP-SW-D3-001		PROSUPPORT PLUS SOFTWARE SUPPORT	12	2	\$ -	\$ -
458-002-352		DELL EMC ESA FOR VROPS=IC	12	1	\$ -	\$ -
M-PSM-SW-D3-001		PROSUPPORT W/MISSION CRITICAL-SOFTWARE	12	1	\$ -	\$ -
RP-LNX-GPL		RECOVERPOINT LINUX GPLV3 DISTRIBUTION	N/A	1	\$ -	\$ -
458-002-195		RP4VM MIDRANGE PACK	60	1	\$ -	\$ -
456-113-102		RP4VM MIDRANGE PACK 100 =IB	60	200	\$ 189.00	\$ 37,800.00
M-PSP-SW-D3-001		PROSUPPORT PLUS SOFTWARE SUPPORT	60	1	\$ 47,304.00	\$ 47,304.00
PS-PDP-P30RP4VM		30DAYPOSTDEPLOYASSIST RP4VM	N/A	1	\$ 240.00	\$ 240.00
CE-PDPDPDT0001		1 TRAINING CREDIT VALID 1YR (PDP DP)	N/A	600	\$ 1.00	\$ 600.00
PS-PDP-RP4VMDP		PDP FOR RECOVERPOINT FOR VM	N/A	1	\$ 12,000.00	\$ 12,000.00
<b>Subtotal</b>						<b>\$ 698,507.60</b>
<b>Servers</b>						
G0J1TUI		PowerEdge R340 Server	60	3	\$ 76.99	\$ 230.97
GFC801N		Trusted Platform Module 2.0	60	3	\$ 22.96	\$ 68.88
GEX9H81		3.5" Chassis with up to 4 Hot Plug Hard Drives	60	3	\$ -	\$ -
G3GUMFS		PowerEdge R340 Shipping	60	3	\$ -	\$ -
GTUWYC8		Intel® Xeon® E-2124 3.3GHz, 8M cache, 4C/4T, turbo (71W)	60	3	\$ 90.44	\$ 271.32
GH5K9IL		Heatsink for 80W or less CPU	60	3	\$ -	\$ -
G538WOB		2666MT/s UDIMMs	60	3	\$ -	\$ -
GH9QBEl		Performance Optimized	60	3	\$ -	\$ -
GQS56YE		8GB 2666MT/s DDR4 ECC UDIMM	60	6	\$ 92.32	\$ 553.92
GOV1697		C3, RAID 1 for 2 HDDs or SSDs (Matching Type/Speed/Capacity)	60	3	\$ -	\$ -
G5P7SZM		PERC H330 RAID Controller, Adapter	60	3	\$ 62.39	\$ 187.17
GBHCZQ4		480GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive,3.5in HYB CARR, 3 DWPD, 2628 TBW	60	6	\$ 183.20	\$ 1,099.20
GZ7VTNS		On-Board Broadcom 5720 Dual Port 1Gb LOM	60	3	\$ -	\$ -
G4BZl6S		Intel X710 Dual Port 10GbE SFP+ Adapter, PCIe Full Height	60	3	\$ 150.74	\$ 452.22
G7P15BR		iDRAC9,Enterprise	60	3	\$ 113.40	\$ 340.20

## EXHIBIT A Revised 5/13/2020 for Addendum 1

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
GA3C9NO		DVD ROM, SATA, Internal for Hot Plug Chassis	60	3	\$ 6.96	\$ 20.88
GFK9A8H		ReadyRails™ Static Rails for 2/4-post Racks	60	3	\$ 11.37	\$ 34.11
GMPFC0B		PowerEdge 1U Standard Bezel	60	3	\$ 11.37	\$ 34.11
GJO594B		Performance BIOS Setting	60	3	\$ -	\$ -
GPHWFU8		NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord, North America	60	6	\$ -	\$ -
G0FARJY		Dual, Hot-plug, Redundant Power Supply, 350W	60	3	\$ 53.34	\$ 160.02
GA61G9R		PowerEdge R340 Shipping Material for 3.5" Chassis	60	3	\$ 11.37	\$ 34.11
GTVA94K		iDRAC Group Manager, Disabled	60	3	\$ -	\$ -
G2T768J		iDRAC, Factory Generated Password	60	3	\$ -	\$ -
G71J5VU		PCIe Riser with Fan with up to 1 FH/HL, x8 PCIe + 1 LP, x4 PCIe Gen3 Slots	60	3	\$ 11.60	\$ 34.80
GEG3QPR		5 Years, ProSupport Plus Mission Critical 4 Hour Onsite Service	60	3	\$ 512.49	\$ 1,537.47
PDEPLUS		ProDeploy Plus Dell Server R Series 1U/2U	60	3	\$ 5,669.50	\$ 17,008.50
GEF5VJU		5 Years, Keep Your Hard Drive	60	3	\$ 76.53	\$ 229.59
<b>Subtotal</b>						<b>\$ 22,297.47</b>
<b>Network-Switches, Transceivers, Cables, Etc.</b>						
470-ACMF		SEL LC/LC FIBER PATCH CABLE 3M ATTACH	60	20	\$ 19.20	\$ 384.00
407-BBXY		SEL - QSFP+ - 40G SR4 ATTACH	60	4	\$ 419.00	\$ 1,676.00
470-ACEV		SEL - SFP28 - 25G DAC 3M ATTACH	60	24	\$ 45.00	\$ 1,080.00
407-BBEF		SEL - 10G XCVR SR ATTACH	60	24	\$ 199.00	\$ 4,776.00
470-ABPY		SEL GZ80XFA - 100G DAC 1M CUS KIT	60	4	\$ 106.00	\$ 424.00
470-ACMN		SEL LC/LC FIBER PATCH CABLE 10M CUS KIT	60	12	\$ 28.14	\$ 337.68
210-APFC		SEL S5248F-ON, PSU TO IO 2 PSU OS10 TAA	60	4	\$ 9,581.00	\$ 38,324.00
5248AMER5PPMC		SEL S5248F-ON 5YR PROSUPPORTPLUS MC(4HR)	60	4	\$ 4,927.00	\$ 19,708.00
5248AMER1RTD		SEL S5248F-ON 1 YR RETURN TO DEPOT	60	4	\$ 32.78	\$ 131.12
CE-PDPSTRTC0001		1 TRAINING CREDIT VALID 1YR (PDP STR)	N/A	800	\$ 1.00	\$ 800.00
PS-PDP-P30CNCTRIX		30DAYPOSTDEPLOYASSIST CONNECTRIX	N/A	2	\$ 240.00	\$ 480.00
PS-PDP-S5XXDXP		PDP FOR DELL EMC NETWORKING S5XXX	N/A	4	\$ 6,450.00	\$ 25,800.00
<b>Sub Totals</b>						<b>\$ 93,920.80</b>

<b>Additional Services (As Needed 8 hour Increments)</b>						
PS-PDADT-OHCITECH		PRODEPLOY ADDL DEP TIME: ONSITE HCI TECH	N/A	1	\$4,100.00	\$ 4,100.00
PS-PDADT-OISITECH		PRODEPLOY ADDL DEP TIME: ONSITE ISI TECH	N/A	1	\$4,100.00	\$ 4,100.00
PS-PDADT-OPM		PRODEPLOY ADDL DEP TIME: ONSITE PRJ MGR	N/A	1	\$4,100.00	\$ 4,100.00
PS-PDADT-ODPDTECH		PRODEPLOY ADDL DEP TIME: ONSITE DPD TECH	N/A	1	\$4,100.00	\$ 4,100.00



## EXHIBIT A Revised 5/13/2020 for Addendum 1

Part Number	Or Equal Part Number (Note 1)	Description	Service Duration (Months)	Qty	Unit Price	Extended Price
PS-PDADT-RHCITECH		PRODEPLOY ADDL DEP TIME: REMOTE HCI TECH	N/A	1	\$1,700.00	\$ 1,700.00
PS-PDADT-RISITECH		PRODEPLOY ADDL DEP TIME: REMOTE ISI TECH	N/A	1	\$1,700.00	\$ 1,700.00
PS-PDADT-RDPDTECH		PRODEPLOY ADDL DEP TIME: REMOTE DPD TECH	N/A	1	\$1,700.00	\$ 1,700.00
<b>Sub Totals</b>						<b>\$ 141,220.80</b>

<b>Additional Services VMware Training and VMware Support Services</b>						
Vmware Service Credits SVC-CR-20		975 for CONSULTING & TRAINING CREDITS RFQ 4.37.6	N/A	975	\$85.00	\$ 82,875.00
Vmware Service Credits SVC-CR-20		260 credits Live Online Training VSphere: Fast Track V6.7 – 5 Days 4 persons	N/A	260	\$90.00	\$ 23,400.00
Vmware Service Credits SVC-CR-20		104 Credits for Online Training for vSAN: Deploy & Manage V6.7	N/A	104	\$100.00	\$ 10,400.00
Vmware Service Credits SVC-CR-20		68 Credits for Online Training for SRM: Install, Configure Manage V6.1	N/A	68	\$100.00	\$ 6,800.00
<b>Sub Totals</b>						<b>\$ 277,995.80</b>

<b>Section B:</b>						
Custom Work Pricing Page <i>(For Assessment in cost)</i>	(These are vendor provided services)	Server Replatforming to 2016 and Service Migrations				
				<b>Hours</b>		
Clustered SQL Server Replatform		Vendor Support*		100	\$ 220.00	\$ 22,000.00
Domain Controller and Active Directory Migration		Active Directory Vendor Support migration*		100	\$ 287.00	\$ 28,700.00
Clustered Microsoft Exchange Server Migration		Exchange Webmail and Presence Support*		100	\$ 287.00	\$ 28,700.00
Radius and Printer Server Migration		Vendor Support Authentcation and Printing*		100	\$ 287.00	\$ 28,700.00
<b>Subtotal</b>						<b>\$ 108,100.00</b>

<b>Total Price</b>	<b>\$ 1,689,789.47</b>
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Note 1: Any bidder proposing an 'or equal' solution must include a full bill of materials reflecting item descriptions quantities and support terms.

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Section B					
Current Work Pacing Page (PWP)	(This is under provided initial)	Server Registration to 2018 and Service Migration			
Estimated to cost					
					<b>Total</b>
Channel Web Portal Registration Services Center and Store		Vendor Support <sup>a</sup>	\$95	\$ 2,350.00	\$ 23,800.00
Website Enhancement		Active Directory Vendor support migration <sup>b</sup>	\$95	\$ 257.00	\$ 26,500.00
Database Upgrade		Exchange Webmail and Forensic Support <sup>c</sup>	\$95	\$ 257.00	\$ 26,500.00
System Migration		Vendor Support Authentication and Printing <sup>d</sup>	\$95	\$ 257.00	\$ 26,500.00
Hardware and Printer Service Maintenance					

**Note 1:** Any bidder proposing an 'or equal' solution must include a full bill of materials reflecting item descriptions, quantities and support terms.

STATE OF WEST VIRGINIA  
Purchasing Division

## PURCHASING AFFIDAVIT

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

**ALL CONTRACTS:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**DEFINITIONS:**

**"Debt"** means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"Related party"** means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: AHEAD, LLC

Authorized Signature: [Signature] Date: 15 Jul 2019

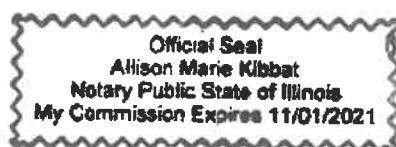
State of Illinois

County of Cook, to-wit:

Taken, subscribed, and sworn to before me this 15 day of July, 2019.

My Commission expires November 1, 2021.

AFFIX SEAL HERE



NOTARY PUBLIC

[Signature]

Purchasing Affidavit (Revised 01/19/2018)

West Virginia Ethics Commission  
**Disclosure of Interested Parties to Contracts**

(Required by W. Va. Code § 6D-1-2)

**Name of Contracting Business Entity:** AHEAD, LLC **Address:** 401 N Michigan Avenue, 34th floor Chicago, IL 60611

**Name of Authorized Agent:** Matt Athey, Client Director **Address:** 5181 Natorp Blvd, Suite 110, Mason, OH 45040

**Contract Number:** \_\_\_\_\_ **Contract Description:** \_\_\_\_\_

**Governmental agency awarding contract:** West Virginia Tax Division

☐ **Check here if this is a Supplemental Disclosure**

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (*attach additional pages if necessary*):

**1. Subcontractors or other entities performing work or service under the Contract**

☒ Check here if none, otherwise list entity/individual names below.

**2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)**

☒ Check here if none, otherwise list entity/individual names below.

**3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)**

☒ Check here if none, otherwise list entity/individual names below.

Signature:  Date Signed: 29 Aug 2019

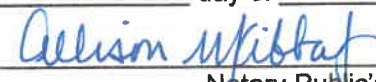
**Notary Verification**

State of Illinois, County of Cook:

I, Allison M. Kibbat, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 29 day of August, 2019.

Official Seal  
Allison Marie Kibbat  
Notary Public State of Illinois  
My Commission Expires 11/01/2021

  
Notary Public's Signature

**To be completed by State Agency:**

Date Received by State Agency: \_\_\_\_\_

Date submitted to Ethics Commission: \_\_\_\_\_

Governmental agency submitting Disclosure: \_\_\_\_\_



**STATE OF WEST VIRGINIA  
ADDENDUM TO VENDOR'S STANDARD CONTRACTUAL FORMS**

State Agency, Board, or Commission (the "State"):

Vendor:

Contract/Lease Number ("Contract"):

Commodity/Service:

The State and the Vendor are entering into the Contract identified above. The Vendor desires to incorporate one or more forms it created into the Contract. Vendor's form(s), however, include(s) one or more contractual terms and conditions that the State cannot or will not accept. In consideration for the State's incorporating Vendor's form(s) into the Contract, the Vendor enters into this Addendum which specifically eliminates or alters the legal enforceability of certain terms and conditions contained in Vendor's form(s). Therefore, on the date shown below each signature line, the parties agree to the following contractual terms and conditions in this Addendum are dominate over any competing terms made a part of the Contract:

1. **ORDER OF PRECEDENCE:** This Addendum modifies and supersedes anything contained on Vendor's form(s) whether or not they are submitted before or after the signing of this Addendum. **IN THE EVENT OF ANY CONFLICT BETWEEN VENDOR'S FORM(S) AND THIS ADDENDUM, THIS ADDENDUM SHALL CONTROL.**

2. **PAYMENT** – Payments for goods/services will be made in arrears only upon receipt of a proper invoice, detailing the goods/services provided or receipt of the goods/services, whichever is later. Notwithstanding the foregoing, payments for software licenses, subscriptions, or maintenance may be paid annually in advance.

Any language imposing any interest or charges due to late payment is deleted.

3. **FISCAL YEAR FUNDING** – Performance of this Contract is contingent upon funds being appropriated by the WV Legislature or otherwise being available for this Contract. In the event funds are not appropriated or otherwise available, the Contract becomes of no effect and is null and void after June 30 of the current fiscal year. If that occurs, the State may notify the Vendor that an alternative source of funding has been obtained and thereby avoid the automatic termination. Non-appropriation or non-funding shall not be considered an event of default.

4. **RIGHT TO TERMINATE** – The State reserves the right to terminate this Contract upon thirty (30) days written notice to the Vendor. If this right is exercised, the State agrees to pay the Vendor only for all undisputed services rendered or goods received before the termination's effective date. All provisions are deleted that seek to require the State to (1) compensate Vendor, in whole or in part, for lost profit, (2) pay a termination fee, or (3) pay liquidated damages if the Contract is terminated early.

Any language seeking to accelerate payments in the event of Contract termination, default, or non-funding is hereby deleted.

5. **DISPUTES** – Any language binding the State to any arbitration or to the decision of any arbitration board, commission, panel or other entity is deleted; as is any requirement to waive a jury trial.

Any language requiring or permitting disputes under this Contract to be resolved in the courts of any state other than the State of West Virginia is deleted. All legal actions for damages brought by Vendor against the State shall be brought in the West Virginia Claims Commission. Other causes of action must be brought in the West Virginia court authorized by statute to exercise jurisdiction over it.

Any language requiring the State to agree to, or be subject to, any form of equitable relief not authorized by the Constitution or laws of State of West Virginia is deleted.

6. **FEES OR COSTS:** Any language obligating the State to pay costs of collection, court costs, or attorney's fees, unless ordered by a court of competent jurisdiction is deleted.

7. **GOVERNING LAW** – Any language requiring the application of the law of any state other than the State of West Virginia in interpreting or enforcing the Contract is deleted. The Contract shall be governed by the laws of the State of West Virginia.

8. **RISK SHIFTING** – Any provision requiring the State to bear the costs of all or a majority of business/legal risks associated with this Contract, to indemnify the Vendor, or hold the Vendor or a third party harmless for any act or omission is hereby deleted.

9. **LIMITING LIABILITY** – Any language limiting the Vendor's liability for direct damages to person or property is deleted.

10. **TAXES** – Any provisions requiring the State to pay Federal, State or local taxes or file tax returns or reports on behalf of Vendor are deleted. The State will, upon request, provide a tax exempt certificate to confirm its tax exempt status.

11. **NO WAIVER** – Any provision requiring the State to waive any rights, claims or defenses is hereby deleted.

12. **STATUTE OF LIMITATIONS** – Any clauses limiting the time in which the State may bring suit against the Vendor or any other third party are deleted.
13. **ASSIGNMENT** – The Vendor agrees not to assign the Contract to any person or entity without the State's prior written consent, which will not be unreasonably delayed or denied. The State reserves the right to assign this Contract to another State agency, board or commission upon thirty (30) days written notice to the Vendor. These restrictions do not apply to the payments made by the State. Any assignment will not become effective and binding upon the State until the State is notified of the assignment, and the State and Vendor execute a change order to the Contract.
14. **RENEWAL** – Any language that seeks to automatically renew, modify, or extend the Contract beyond the initial term or automatically continue the Contract period from term to term is deleted. The Contract may be renewed or continued only upon mutual written agreement of the Parties.
15. **INSURANCE** – Any provision requiring the State to maintain any type of insurance for either its or the Vendor's benefit is deleted.
16. **RIGHT TO REPOSSESSION NOTICE** – Any provision for repossession of equipment without notice is hereby deleted. However, the State does recognize a right of repossession with notice.
17. **DELIVERY** – All deliveries under the Contract will be FOB destination unless the State expressly and knowingly agrees otherwise. Any contrary delivery terms are hereby deleted.
18. **CONFIDENTIALITY** – Any provisions regarding confidential treatment or non-disclosure of the terms and conditions of the Contract are hereby deleted. State contracts are public records under the West Virginia Freedom of Information Act ("FOIA") (W. Va. Code §29B-a-1, et seq.) and public procurement laws. This Contract and other public records may be disclosed without notice to the vendor at the State's sole discretion.

Any provisions regarding confidentiality or non-disclosure related to contract performance are only effective to the extent they are consistent with FOIA and incorporated into the Contract through a separately approved and signed non-disclosure agreement.

19. **THIRD-PARTY SOFTWARE** – If this Contract contemplates or requires the use of third-party software, the vendor represents that none of the mandatory click-through, unsigned, or web-linked terms and conditions presented or required before using such third-party software conflict with any term of this Addendum or that it has the authority to modify such third-party software's terms and conditions to be subordinate to this Addendum. The Vendor shall indemnify and defend the State against all claims resulting from an assertion that such third-party terms and conditions are not in accord with, or subordinate to, this Addendum.
20. **AMENDMENTS** – The parties agree that all amendments, modifications, alterations or changes to the Contract shall be by mutual agreement, in writing, and signed by both parties. Any language to the contrary is deleted.

Notwithstanding the foregoing, this Addendum can only be amended by (1) identifying the alterations to this form by using *Italics* to identify language being added and ~~striethrough~~ for language being deleted (do not use track-changes) and (2) having the Office of the West Virginia Attorney General's authorized representative expressly agree to and knowingly approve those alterations.

State: \_\_\_\_\_

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Vendor: Ahead, LLC

By:  \_\_\_\_\_

Printed Name: Tom Maheras

Title: Vice-President

Date: 8.21.2019



**Shipping Address:**  
West Virginia Lottery Commission  
Darrin Stroup

900 Pennsylvania Ave  
Charleston WV 25302

**AHEAD, Inc.**  
401 Michigan Avenue  
Suite 3400  
Chicago, IL 60611

**Billing Address:**  
West Virginia Lottery Commission  
State Capitol Building 1, Room E-26, 1900 Kanawha Boulevard  
East  
Charleston WV 25305

**MPA:**  
  
Standard Terms  
**Payment Terms:**  
No Credit Terms Set

**Ahead Client Director:**  
Matt Athey  
614-354-5892  
matt.athey@thinkahead.com

**Client Operations Specialist**  
Jennifer Eveslage  
513-457-7855  
jennifer.eveslage@thinkahead.com

**Logistics Coordinator:**  
Matt Arflin

(312) 496-7991  
matt.arflin@thinkahead.com

WVLC- EMC Refresh			
	QTY	Part Number	Description
<b>IDPA</b>			
Hardware	4	DPCBL-LC-OM4-10ME	10 M LC to LC Cable Kit
Hardware	4	DPXCVR-10GBE-4400	Transceiver 10GBE SFP+ DP4400 300M
Hardware	1	DP4400_24TB_SFP8	IDPA DP4400 24TB 8X10G SFP
Hardware	3	DP4400_12TB_PACK	DP4400 12TB Capacity Expansion Pack
Hardware	1	DPAPPL_4400	ANCHOR DP APPLIANCE 4400
Hardware	4	DPCBL-LC-OM4-10ME	10 M LC to LC Cable Kit
Hardware	4	DPXCVR-10GBE-4400	Transceiver 10GBE SFP+ DP4400 300M
Hardware	1	DP4400_24TB_SFP8	IDPA DP4400 24TB 8X10G SFP
Hardware	3	DP4400_12TB_PACK	DP4400 12TB Capacity Expansion Pack
Hardware	1	DPAPPL_4400	ANCHOR DP APPLIANCE 4400
Software	200	456-113-102	RP4VM Midrange Pack 100 =IB - 60.00 MNTHS
Software	1	458-002-195	RP4VM Midrange Pack - 60.00 MNTHS
Software	1	RP-LNX-GPL	RECOVERPOINT LINUX GPLV3 DISTRIBUTION - 60.00 MNTHS
Software	1	458-002-352	Dell EMC ESA for vOps=IC - 60.00 MNTHS
Software	1	456-113-589	RP4VM SVM Starter Pack for DP4400=IB - 60.00 MNTHS
Software	1	458-001-440	RecoverPoint for VM Starter Packs - 60.00 MNTHS
Software	60	458-002-484	EMC Granular Recovery Microsoft HIGH=CA - 60.00 MNTHS
Software	1	IDPA_DP4400_2-5	IDPA DP4400 OS SW Code 2.5.x=IA - 60.00 MNTHS
Software	1	458-002-482	DP4400 DD CLOUD DR ESSENTIALS STB=CC - 60.00 MNTHS
Software	5	456-107-983	LIC; CLOUD TIER DP4400 BASE TB=CC - 60.00 MNTHS
Software	1	458-002-437	DP4400 Cloud Tier License - 60.00 MNTHS
Software	1	458-002-414	Data Protection Central ENTRY=CA - 60.00 MNTHS
Software	1	456-113-622	vRealize Enabler ENTRY=IA - 60.00 MNTHS
Software	1	456-113-620	Federated Reporting Server ENTRY=IA - 60.00 MNTHS
Software	1	456-113-661	IDPA Target Protocol Enabler ENTRY=CA - 60.00 MNTHS
Software	1	456-113-623	Analytics Enabler ENTRY=CB - 60.00 MNTHS
Software	60	456-113-781	IDPA BoostFS 1 TB Raw Enabler ENTRY=CB - 60.00 MNTHS
Software	1	456-113-621	IDPA BU App Enabler ENTRY=IA - 60.00 MNTHS
Software	1	456-113-624	IDPA BU Search Enabler ENTRY=CA - 60.00 MNTHS
Software	5	456-107-987	DP4400 Capacity Enabler DDVE 12TB=CC - 60.00 MNTHS
Software	1	458-002-436	IDPA DP4400 ENV CONFIG - 60.00 MNTHS
Software	1	456-113-589	RP4VM SVM Starter Pack for DP4400=IB - 60.00 MNTHS
Software	1	458-001-440	RecoverPoint for VM Starter Packs - 60.00 MNTHS
Software	60	458-002-484	EMC Granular Recovery Microsoft HIGH=CA - 60.00 MNTHS
Software	1	IDPA_DP4400_2-5	IDPA DP4400 OS SW Code 2.5.x=IA - 60.00 MNTHS
Software	1	458-002-482	DP4400 DD CLOUD DR ESSENTIALS STB=CC - 60.00 MNTHS
Software	5	456-107-983	LIC; CLOUD TIER DP4400 BASE TB=CC - 60.00 MNTHS

Software	1	458-002-437	DP4400 Cloud Tier License - 60.00 MNTHS
Software	1	458-002-414	Data Protection Central ENTRY=CA - 60.00 MNTHS
Software	1	456-113-622	vRealize Enabler ENTRY=IA - 60.00 MNTHS
Software	1	456-113-620	Federated Reporting Server ENTRY=IA - 60.00 MNTHS
Software	1	456-113-661	IDPA Target Protocol Enabler ENTRY=CA - 60.00 MNTHS
Software	1	456-113-623	Analytics Enabler ENTRY=CB - 60.00 MNTHS
Software	60	456-113-781	IDPA BoostFS 1 TB Raw Enabler ENTRY=CB - 60.00 MNTHS
Software	1	456-113-621	IDPA BU App Enabler ENTRY=IA - 60.00 MNTHS
Software	1	456-113-624	IDPA BU Search Enabler ENTRY=CA - 60.00 MNTHS
Software	5	456-107-987	DP4400 Capacity Enabler DDVE 12TB=CC - 60.00 MNTHS
Software	1	458-002-436	IDPA DP4400 ENV CONFIG - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-D3-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSM-SW-D3-001	PROSUPPORT W/MISSION CRITICAL-SOFTWARE - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-D3-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-DD-H1	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-DD-E1	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-DD-E1	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-DD-E1	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-DD-E1	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-DD-E1	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Hardware	1	M-PSP-HW-DD-E1	PROSUPPORT PLUS HARDWARE SUPPORT - 60.00 MNTHS
Maintenance - Hardware	1	M-PARTRT-PR3-DPE	PARTS RETENTION UPLIFT DPAD-E - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-D3-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-DD-H1	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-DD-E1	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-DD-E1	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-DD-E1	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-DD-E1	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Hardware	1	M-PSP-HW-DD-E1	PROSUPPORT PLUS HARDWARE SUPPORT - 60.00 MNTHS
Maintenance - Hardware	1	M-PARTRT-PR3-DPE	PARTS RETENTION UPLIFT DPAD-E - 60.00 MNTHS
Services	1	PS-BAS-DPTRRES	Residency for Data Protection - TR
Services	1	PS-PDP-P30RP4VM	30dayPostDeployAssist RP4VM
Services	1	PS-PDP-RP4VMDP	PDP for RecoverPoint for VM
Services	1	PS-PDP-P30IDPA	30dayPostDeployAssist IDPA
Services	1	PS-PDP-IDPAVEDP	PDP for IDPA DP4x Series
Services	1	PSINST-ESRS	ZERO DOLLAR ESRS INSTALL
Services	3	PS-PDADT-RDPDTECH	PD Addl Depl Time: 4HR Remote DPD Tech
Services	1	PS-PDPAD-DPSVWDP	PDP AddOn, Data Protection Suite VMWare
Services	1	PS-PDP-SRCHDP	PDP For Search Deploy
Services	1	PS-PDP-DPADP	PDP For DPA Deploy
Services	1	PS-BAS-DPADPSA	DPA Implementation for DPS Add-on
Services	1	PS-BAS-DPADPS	DPA Implementation for DPS Base
Services	1	PSINST-ESRS	ZERO DOLLAR ESRS INSTALL
Services	1	PS-PDP-P30IDPA	30dayPostDeployAssist IDPA
Services	1	PS-PDP-IDPAVEDP	PDP for IDPA DP4x Series
Training	600	CE-PDPDPDTC0001	1 Training Credit Valid 1yr (PDP DP)
Training	900	CE-PDPDPDTC0001	1 Training Credit Valid 1yr (PDP DP)
Training	12000	CE-DPDTC0001	1 Training Credit Valid 1yr (DP)
Training	900	CE-PDPDPDTC0001	1 Training Credit Valid 1yr (PDP DP)

#### Mellanox

Hardware	2	851-0167-P	PROMO MELLANOX 8 PORT QDR SWITCH
Hardware	6	851-0209-P	PROMO CABLE, IB QDR, QSFP-QSFP, 3M
Hardware	3	611-0005	11TB+200GB SSD/ 3.5in
Hardware	3	851-0099-P	PROMO 2 SFP+ OPTICS KIT - 10GbE
Hardware	3	X210-SATA-S03-P	PROMO X210-11T+200G SSD/24G/2X10GE 2X1GE
Hardware	5	800-0012-P	PROMO 2 PWRCRD C14-C13,208V UNIVERSAL
Hardware	3	612-0027	24GB RAM (Next Gen)
Hardware	3	613-0008	10GBE DUAL-PORT SFP WITHOUT OPTICS
Hardware	2	851-0167-P	PROMO MELLANOX 8 PORT QDR SWITCH
Hardware	6	851-0209-P	PROMO CABLE, IB QDR, QSFP-QSFP, 3M
Hardware	3	611-0005	11TB+200GB SSD/ 3.5in

Hardware	3	851-0099-P	PROMO 2 SFP+ OPTICS KIT - 10GbE
Hardware	3	X210-SATA-S03-P	PROMO X210-11T+200G SSD/24G/2X10GE 2X1GE
Hardware	5	800-0012-P	PROMO 2 PWRCRD C14-C13,208V UNIVERSAL
Hardware	3	612-0027	24GB RAM (Next Gen)
Hardware	3	613-0008	10GBE DUAL-PORT SFP WITHOUT OPTICS
Software	1	TRK-ENTERP DESC	INS/CONADV/SNAP/QTA
Software	3	201-0347-CF	SW: Starter Promo Ent Bundle (Tier 2)=ID
Software	3	200-0404-CF	INSIGHTIQ FOR ONEFS=ID
Software	1	TRK-ENTERP DESC	INS/CONADV/SNAP/QTA
Software	3	200-0404-CF	INSIGHTIQ FOR ONEFS=ID
Software	3	201-0347-CF	SW: Starter Promo Ent Bundle (Tier 2)=ID
Software	6	200-0986-CF	Enterprise-Smartlock Tier 3 Gen5 =ID
Software	6	200-0263-CF	Enterprise-SyncIQ Tier 3 Gen5 =ID
Software	6	200-0332-CF	HDFS FOR ONEFS=ID
Software	1	IGLS-CB-5YR	SEL IGLS Starter Suite 2 CLSTR Bundle 5y
Maintenance - Hardware	1	M-PSP-HW-IUE-001	PROSUPPORT PLUS 4HR/MC HARDWARE SUPPORT - 60.00 MNTHS
Maintenance - Hardware	1	M-PARTRT-PR3-I01	PARTS RETENTION UPLIFT(ISILON) - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-IUE-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-I-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Hardware	1	M-PSP-HW-IUE-001	PROSUPPORT PLUS 4HR/MC HARDWARE SUPPORT - 60.00 MNTHS
Maintenance - Hardware	1	M-PARTRT-PR3-I01	PARTS RETENTION UPLIFT(ISILON) - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-I-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-IUE-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Hardware	2	PS-PDPAD-PSCSIQDP	PDP AddOn, Isilon SyncIQ - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-I-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-I-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-I-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Services	1	PS-PDP-ISIADV2UDP	PDP For Isilon Advanced Bundle 2U Node
Services	2	PS-PDPAD-ISIAD2UIN	PDP ADDON, ISILON ADD 1 2U NODE
Services	1	PS-PDPAD-ISIADFEDP	PDP ADDON, ISILON FEATURE OR WORKLOAD
Services	1	PS-BAS-ISITRRES	Residency for Isilon - TR
Services	1	PS-PDP-ISIADV2UDP	PDP For Isilon Advanced Bundle 2U Node
Services	2	PS-PDPAD-ISIAD2UIN	PDP ADDON, ISILON ADD 1 2U NODE
Services	1	PS-PDPAD-ISIADFEDP	PDP ADDON, ISILON FEATURE OR WORKLOAD
Services	2	PS-PDPAD-ISIADFEDP	PDP ADDON, ISILON FEATURE OR WORKLOAD
Services	1	PS-BAS-ISIIDMB	ISILON IDM DATA MIGRATION FILE, BASE
Services	5	PS-PDADT-OPM	PD Addl Depl Time: 8HR Onsite Prj Mgr
Training	900	CE-PDPISLTC0001	1 Training Credit Valid 1yr (PDP ISL)
Training	12000	CE-ISLTC0001	1 Training Credit Valid 1yr (ISL)
Training	900	CE-PDPISLTC0001	1 Training Credit Valid 1yr (PDP ISL)
Training	1500	CE-PDPISLTC0001	1 Training Credit Valid 1yr (PDP ISL)
Training	600	CE-ISLTC0001	1 Training Credit Valid 1yr (ISL)

#### VxRail

Hardware	1	TPM1.2MODULEAF	VxRail-500 TPM 1.2 MODULE AF
Hardware	1	PS1100WPSF	VxRail-500 DUAL HOTPLG 1100W PS F
Hardware	1	INSTLCTRYUSAFR640F	VxRail-500 USA SHIPMOD F
Hardware	2	PWR200VRACK	C13-C14 PDU RACK PWR CRD 2M N. AM
Hardware	1	1S8HPFANE560165GR	VxRail-500 1S 8 HIGH PERF FAN 165W/GRT
Hardware	1	1SE560HSKDM165OL	VxRail-500 1S E560 165WL HTK DIMM BLNK
Hardware	1	PROGD62481SF	VxR INTEL CPU GD 6248 2.5G, 20C/40T 1S F
Hardware	1	RISER640CNFG4\$NGL	VxRail-500 RISER R640 CONFIG4 LP
Hardware	1	VXRNOADDPROC	VxR No Additional processor for Gen 2
Hardware	1	RAILKIT1U1NHAF	VxRail-500 A8 RRAILS 2-4POSTRACKS1U1N AF
Hardware	6	MEM16GB2933MTF	VxRail Memory 16GB 2933MT RDIMM F
Hardware	1	RDIMM2933INFO	VxRail FactoryOrd Rq 2933Mhz RDIMM
Hardware	1	NDCSFP28DP25GF	VxRail-500 NDC SFP28 DP 25GB F
Hardware	1	INSTLKITSFP28F	VxRail-500 INSTALL KIT SFP28 25GB F
Hardware	4	CAPSSDSAS3.84TBF	VxR 3.84TB Capacity SAS 2.5in SSD F
Hardware	1	CACHESSD800GB	VxR 800GB Cache SSD 2.5in
Hardware	5	TPM1.2MODULEAF	VxRail-500 TPM 1.2 MODULE AF
Hardware	5	PS1100WPSF	VxRail-500 DUAL HOTPLG 1100W PS F



Hardware	5	INSTLCTRYUSAFR640F	VxRail-500 USA SHIPMOD F
Hardware	10	PWR200VRACK	C13-C14 PDU RACK PWR CRD 2M N. AM
Hardware	5	VXRNOADDPROC	VxR No Additional processor for Gen 2
Hardware	5	RISER640CNFG4SNGL	VxRail-500 RISER R640 CONFIG4 LP
Hardware	5	PROGD62481SF	VXR INTEL CPU GD 6248 2.5G, 20C/40T 1S F
Hardware	5	1SE560HSKDM165OL	VxRail-500 1S E560 165WL HTK DIMM BLNK
Hardware	5	1S8HPFANE560165GR	VxRail-500 1S 8 HIGH PERF FAN 165W/GRT
Hardware	5	RAILKIT1U1NHAF	VxRail-500 A8 RRAILS 2-4POSTRACKS1U1N AF
Hardware	5	RDIMM2933INFO	VxRail FactoryOrd Rq 2933Mhz RDIMM
Hardware	30	MEM16GB2933MTF	VxRail Memory 16GB 2933MT RDIMM F
Hardware	5	NDCSFP28DP25GF	VxRail-500 NDC SFP28 DP 25GB F
Hardware	5	INSTLKITSFP28F	VxRail-500 INSTALL KIT SFP28 25GB F
Hardware	20	CAPSSDSAS3.84TBF	VxR 3.84TB Capacity SAS 2.5in SSD F
Hardware	5	CACHESSD800GB	VxR 800GB Cache SSD 2.5in
Hardware	20	470-ACMF	SEL LC/LC Fiber Patch Cable 3M Attach
Hardware	4	407-BBBY	SEL - QSFP+ - 40G SR4 Attach
Hardware	24	470-ACEV	SEL - SFP28 - 25G DAC 3m Attach
Hardware	24	407-BBEF	SEL - 10G XCVR SR Attach
Hardware	2	210-APFC	SEL S5248F-ON, PSU TO IO 2 PSU OS10 TAA
Hardware	2	5248AMER1RTD	SEL S5248F-ON 1 Yr Return to Depot
Hardware	4	470-ABPY	SEL GZ80XFA - 100G DAC 1m Cus Kit
Hardware	12	470-ACMN	SEL LC/LC Fiber Patch Cable 10M Cus Kit
Hardware	1	TPM1.2MODULEAF	VxRail-500 TPM 1.2 MODULE AF
Hardware	1	PS1100WPSF	VxRail-500 DUAL HOTPLG 1100W PS F
Hardware	1	INSTLCTRYUSAFR640F	VxRail-500 USA SHIPMOD F
Hardware	2	PWR200VRACK	C13-C14 PDU RACK PWR CRD 2M N. AM
Hardware	1	1S8HPFANE560165GR	VxRail-500 1S 8 HIGH PERF FAN 165W/GRT
Hardware	1	1SE560HSKDM165OL	VxRail-500 1S E560 165WL HTK DIMM BLNK
Hardware	1	PROGD62481SF	VXR INTEL CPU GD 6248 2.5G, 20C/40T 1S F
Hardware	1	RISER640CNFG4SNGL	VxRail-500 RISER R640 CONFIG4 LP
Hardware	1	VXRNOADDPROC	VxR No Additional processor for Gen 2
Hardware	1	RAILKIT1U1NHAF	VxRail-500 A8 RRAILS 2-4POSTRACKS1U1N AF
Hardware	6	MEM16GB2933MTF	VxRail Memory 16GB 2933MT RDIMM F
Hardware	1	RDIMM2933INFO	VxRail FactoryOrd Rq 2933Mhz RDIMM
Hardware	1	NDCSFP28DP25GF	VxRail-500 NDC SFP28 DP 25GB F
Hardware	1	INSTLKITSFP28F	VxRail-500 INSTALL KIT SFP28 25GB F
Hardware	4	CAPSSDSAS3.84TBF	VxR 3.84TB Capacity SAS 2.5in SSD F
Hardware	1	CACHESSD800GB	VxR 800GB Cache SSD 2.5in
Hardware	5	TPM1.2MODULEAF	VxRail-500 TPM 1.2 MODULE AF
Hardware	5	PS1100WPSF	VxRail-500 DUAL HOTPLG 1100W PS F
Hardware	5	INSTLCTRYUSAFR640F	VxRail-500 USA SHIPMOD F
Hardware	10	PWR200VRACK	C13-C14 PDU RACK PWR CRD 2M N. AM
Hardware	5	VXRNOADDPROC	VxR No Additional processor for Gen 2
Hardware	5	RISER640CNFG4SNGL	VxRail-500 RISER R640 CONFIG4 LP
Hardware	5	PROGD62481SF	VXR INTEL CPU GD 6248 2.5G, 20C/40T 1S F
Hardware	5	1SE560HSKDM165OL	VxRail-500 1S E560 165WL HTK DIMM BLNK
Hardware	5	1S8HPFANE560165GR	VxRail-500 1S 8 HIGH PERF FAN 165W/GRT
Hardware	5	RAILKIT1U1NHAF	VxRail-500 A8 RRAILS 2-4POSTRACKS1U1N AF
Hardware	5	RDIMM2933INFO	VxRail FactoryOrd Rq 2933Mhz RDIMM
Hardware	30	MEM16GB2933MTF	VxRail Memory 16GB 2933MT RDIMM F
Hardware	5	NDCSFP28DP25GF	VxRail-500 NDC SFP28 DP 25GB F
Hardware	5	INSTLKITSFP28F	VxRail-500 INSTALL KIT SFP28 25GB F
Hardware	20	CAPSSDSAS3.84TBF	VxR 3.84TB Capacity SAS 2.5in SSD F
Hardware	5	CACHESSD800GB	VxR 800GB Cache SSD 2.5in
Hardware	2	210-APFC	SEL S5248F-ON, PSU TO IO 2 PSU OS10 TAA
Hardware	2	5248AMER1RTD	SEL S5248F-ON 1 Yr Return to Depot
Software	1	VXR-14G-MGR-DE-4.7	VxRail Software Image V4.7=MA - 60.00 MNTHS
Software	1	SYSE5601SVENTF	VxRail 14G E560 1U1N 1S vSAN ENT AF - 60.00 MNTHS
Software	1	458-001-937	RECOVERPOINT FOR VM FOR 1-NODE HCIA - 60.00 MNTHS
Software	1	456-111-959	RECOVERPOINT FOR VM FOR 1-NODE HCIA =IB - 60.00 MNTHS
Software	1	458-002-519	VxRail VMware vSAN Enterprise - 60.00 MNTHS

Software	1	456-113-811	VxRail VMware vSANEnterprise 5Y Maint=IG - 60.00 MNTHS
Software	1	VXROSGDPROCFS	VxRail HCI System Software(G F)=IG - 60.00 MNTHS
Software	4	VXROS3.84SASF	VxR HCI System Software(CAP 3.84 SAS)=CF - 60.00 MNTHS
Software	5	VXR-14G-MGR-DE-4.7	VxRail Software Image V4.7=MA - 60.00 MNTHS
Software	5	SYSE5601SVENTF	VxRail 14G E560 1U1N 1S vSAN ENT AF - 60.00 MNTHS
Software	5	458-001-937	RECOVERPOINT FOR VM FOR 1-NODE HCIA - 60.00 MNTHS
Software	5	456-111-959	RECOVERPOINT FOR VM FOR 1-NODE HCIA =IB - 60.00 MNTHS
Software	5	458-002-519	VxRail VMware vSAN Enterprise - 60.00 MNTHS
Software	5	456-113-811	VxRail VMware vSANEnterprise 5Y Maint=IG - 60.00 MNTHS
Software	20	VXROS3.84SASF	VxR HCI System Software(CAP 3.84 SAS)=CF - 60.00 MNTHS
Software	5	VXROSGDPROCFS	VxRail HCI System Software(G F)=IG - 60.00 MNTHS
Software	1	VXR-14G-MGR-DE-4.7	VxRail Software Image V4.7=MA - 60.00 MNTHS
Software	1	SYSE5601SVENTF	VxRail 14G E560 1U1N 1S vSAN ENT AF - 60.00 MNTHS
Software	1	458-001-937	RECOVERPOINT FOR VM FOR 1-NODE HCIA - 60.00 MNTHS
Software	1	456-111-959	RECOVERPOINT FOR VM FOR 1-NODE HCIA =IB - 60.00 MNTHS
Software	1	458-002-519	VxRail VMware vSAN Enterprise - 60.00 MNTHS
Software	1	456-113-811	VxRail VMware vSANEnterprise 5Y Maint=IG - 60.00 MNTHS
Software	1	VXROSGDPROCFS	VxRail HCI System Software(G F)=IG - 60.00 MNTHS
Software	4	VXROS3.84SASF	VxR HCI System Software(CAP 3.84 SAS)=CF - 60.00 MNTHS
Software	5	VXR-14G-MGR-DE-4.7	VxRail Software Image V4.7=MA - 60.00 MNTHS
Software	5	SYSE5601SVENTF	VxRail 14G E560 1U1N 1S vSAN ENT AF - 60.00 MNTHS
Software	5	458-001-937	RECOVERPOINT FOR VM FOR 1-NODE HCIA - 60.00 MNTHS
Software	5	456-111-959	RECOVERPOINT FOR VM FOR 1-NODE HCIA =IB - 60.00 MNTHS
Software	5	458-002-519	VxRail VMware vSAN Enterprise - 60.00 MNTHS
Software	5	456-113-811	VxRail VMware vSANEnterprise 5Y Maint=IG - 60.00 MNTHS
Software	20	VXROS3.84SASF	VxR HCI System Software(CAP 3.84 SAS)=CF - 60.00 MNTHS
Software	5	VXROSGDPROCFS	VxRail HCI System Software(G F)=IG - 60.00 MNTHS
Maintenance - Hardware	1	M-PSP-HW-J-003-5Y	PROSUPPORT PLUS VSAN ENT HW SUPP 5 YEAR - 60.00 MNTHS
Maintenance - Hardware	1	M-PRTSRT-DE14-5Y	PARTS RETENTION UPLIFT 5 YEAR - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-D3-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-J-007	PROSUPPORT PLUS VSAN ENT SW SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-J-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-J-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Hardware	5	M-PSP-HW-J-003-5Y	PROSUPPORT PLUS VSAN ENT HW SUPP 5 YEAR - 60.00 MNTHS
Maintenance - Hardware	5	M-PRTSRT-DE14-5Y	PARTS RETENTION UPLIFT 5 YEAR - 60.00 MNTHS
Maintenance - Software	5	M-PSP-SW-D3-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	5	M-PSP-SW-J-007	PROSUPPORT PLUS VSAN ENT SW SUPPORT - 60.00 MNTHS
Maintenance - Software	5	M-PSP-SW-J-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	5	M-PSP-SW-J-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Hardware	2	5248AMER5PPMC	SEL S5248F-ON 5Yr ProSupportPlus MC(4hr) - 60.00 MNTHS
Maintenance - Hardware	1	M-PSP-HW-J-003-5Y	PROSUPPORT PLUS VSAN ENT HW SUPP 5 YEAR - 60.00 MNTHS
Maintenance - Hardware	1	M-PRTSRT-DE14-5Y	PARTS RETENTION UPLIFT 5 YEAR - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-D3-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-J-007	PROSUPPORT PLUS VSAN ENT SW SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-J-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	1	M-PSP-SW-J-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Hardware	5	M-PSP-HW-J-003-5Y	PROSUPPORT PLUS VSAN ENT HW SUPP 5 YEAR - 60.00 MNTHS
Maintenance - Hardware	5	M-PRTSRT-DE14-5Y	PARTS RETENTION UPLIFT 5 YEAR - 60.00 MNTHS
Maintenance - Software	5	M-PSP-SW-D3-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	5	M-PSP-SW-J-007	PROSUPPORT PLUS VSAN ENT SW SUPPORT - 60.00 MNTHS
Maintenance - Software	5	M-PSP-SW-J-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Software	5	M-PSP-SW-J-001	PROSUPPORT PLUS SOFTWARE SUPPORT - 60.00 MNTHS
Maintenance - Hardware	2	5248AMER5PPMC	SEL S5248F-ON 5Yr ProSupportPlus MC(4hr) - 60.00 MNTHS
Services	1	PS-PDP-RP4VMDP	PDP for RecoverPoint for VM
Services	1	PS-PDP-P30VXRAIL	30dayPostDeployAssist VxRail
Services	1	PSINST-ESRS	ZERO DOLLAR ESRS INSTALL
Services	6	PS-PDP-VXRDP	PDP For VxRail Deploy Per Node
Services	3	PS-BAS-VXRTRRES	Residency for HCI TR
Services	1	PS-BAS-IDMVB	IDM DATA MIGRATION VIRTUAL, BASE
Services	2	PS-BAS-IDMVE	IDM DATA MIGRATION VIRTUAL, EVENT
Services	1	PS-BAS-IDMVA	IDM DATA MIGRATION VIRTUAL, ADD-ON

Services	1	PS-PDP-P30CNCTRIX	30dayPostDeployAssist Connectrix
Services	2	PS-PDP-S5XXXDP	PDP for Dell EMC Networking S5XXX
Services	1	PS-PDP-RP4VMDP	PDP for RecoverPoint for VM
Services	1	PS-PDP-P30VXRail	30dayPostDeployAssist VxRail
Services	1	PSINST-ESRS	ZERO DOLLAR ESRS INSTALL
Services	6	PS-PDP-VXRDP	PDP For VxRail Deploy Per Node
Services	1	PS-PDP-P30CNCTRIX	30dayPostDeployAssist Connectrix
Services	2	PS-PDP-S5XXXDP	PDP for Dell EMC Networking S5XXX
Training	600	CE-PDPHCITC0001	1 Training Credit Valid 1yr (PDP HCI)
Training	10000	CE-HCITC0001	1 Training Credit Valid 1yr (HCI)
Training	400	CE-PDPSTRTC0001	1 Training Credit Valid 1yr (PDP STR)
Training	600	CE-PDPHCITC0001	1 Training Credit Valid 1yr (PDP HCI)
Training	400	CE-PDPSTRTC0001	1 Training Credit Valid 1yr (PDP STR)

#### R340 Server

Hardware	1	210-AQUB	PowerEdge R340 Server
Hardware	2	450-AALV	Power Cord - C13, 3M, 125V, 15A (North America, Guam, North Marianas, Philippines, Samoa, Vietnam
Hardware	1	540-BBHP	Intel X710 Dual Port 10GbE Direct Attach SFP+ Adapter, PCIe Full Height
Hardware	2	400-AZUN	480GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive,3.5in HYB CARR, 3 DWPD, 2628 TBW
Hardware	2	370-AEKN	8GB 2666MT/s DDR4 ECC UDIMM
Hardware	1	389-DSUI	PowerEdge R340 CE, CCC, BIS Marking
Hardware	1	332-1286	US Order
Hardware	1	631-AAACK	No Systems Documentation, No OpenManage DVD Kit
Hardware	1	770-BB8M	ReadyRails Static Rails for 2/4-post Racks
Hardware	1	350-BBSD	Dell EMC Luggage Tag
Hardware	1	325-BCHH	Standard Bezel
Hardware	1	450-AEUV	Dual Hot Plug Power Supplies 350W
Hardware	1	429-ABHM	DVD ROM, SATA, Internal for Hot Plug Chassis
Hardware	1	542-BBBP	On-Board LOM
Hardware	1	384-BBWF	Standard Fan
Hardware	1	330-BBMH	PCIe Riser, 1x FH x8 PCIe Gen3 slot, 1x LP x4 PCIe Gen3 slot, R240/R340
Hardware	1	379-BCRG	iDRAC,Factory Generated Password
Hardware	1	379-BCQY	iDRAC Group Manager, Disabled
Hardware	1	605-BBFN	No Media Required
Hardware	1	405-AAMT	PERC H330 RAID Controller
Hardware	1	780-BCDN	RAID 1
Hardware	1	370-AEKM	2666MT/s UDIMMs
Hardware	1	412-AAPW	Heatsink for 80W or less CPU
Hardware	1	338-BPYU	Intel Xeon E-2124 3.3GHz, 8M cache, 4C/4T, turbo (71W)
Hardware	1	340-COPB	PowerEdge R340 Shipping Material for 3.5" Chassis
Hardware	1	340-CHU	PowerEdge R340 Shipping
Hardware	1	321-BDUX	3.5" Chassis with up to 4 Hot Plug Hard Drives
Hardware	1	329-BEQV	PowerEdge R340 MLK Motherboard
Software	1	384-BBBL	Performance BIOS Settings
Software	1	385-BBKT	iDRAC9,Enterprise
Software	1	619-ABVR	No Operating System
Software	1	370-AAIP	Performance Optimized
Software	1	461-AAEM	Trusted Platform Module 2.0
Maintenance - Hardware	1	980-3634	Keep Your Hard Drive, 5 Year - 60.00 MNTH\$
Maintenance - Hardware	1	955-9041	Dell Hardware Limited Warranty Plus On Site Service Extended Year - 60.00 MNTH\$
Maintenance - Hardware	1	951-2015	Thank you for choosing Dell ProSupport Plus. For tech support, visit <a href="http://www.dell.com/contactdell">//www.dell.com/contactdell</a> - 60.00 MNTH\$
Maintenance - Hardware	1	822-7747	ProSupport Plus: Mission Critical 7x24 HW/SW Technical Support and Assistance, 5 Years - 60.00 MNTH\$
Maintenance - Hardware	1	822-7735	ProSupport Plus: Mission Critical 4-Hour 7x24 On-Site Service with Emergency Dispatch, 4 Years Extended - 60.00 MNTH\$
Maintenance - Hardware	1	822-7730	ProSupport Plus: Mission Critical 4-Hour 7x24 On-Site Service with Emergency Dispatch, 1 Year - 60.00 MNTH\$
Maintenance - Hardware	1	822-7640	Dell Hardware Limited Warranty Plus On Site Service - 60.00 MNTH\$
Services	1	804-6751	ProDeploy Plus Dell Server R Series 1U/2U - Deployment Verification
Services	1	804-6750	ProDeploy Plus Dell Server R Series 1U/2U - Deployment
Training	1	812-4005	ProDeploy Plus Training Credits 300 Redeem at <a href="http://education.dell.com">education.dell.com</a> Expires 1Yr from Order Date

#### Vmware PSO Credits

Training	68	SVC-CR-0	Consulting & Learning Credits - Prepaid Services PSO Credit 1-15C
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Training	104	SVC-CR-0	Consulting & Learning Credits - Prepaid Services PSO Credit 1-150
Training	260	SVC-CR-0	Consulting & Learning Credits - Prepaid Services PSO Credit 151-600
Training	975	SVC-CR-0	Consulting & Learning Credits - Prepaid Services PSO Credit 601-1200

#### ***Dell EMC Additional Services***

Services	1	PS-PDADT-OHCITECH	PD Addl Depl Time: 8HR Onsite HCI Tech
Services	1	PS-PDADT-OISITECH	PD Addl Depl Time: 8HR Onsite ISI Tech
Services	1	PS-PDADT-OPM	PD Addl Depl Time: 8HR Onsite Prj Mgr
Services	1	PS-PDADT-ODPDTECH	PD Addl Depl Time: 8HR Onsite DPD Tech
Services	1	PS-PDADT-RHCITECH	PD Addl Depl Time: 4HR Remote HCI Tech
Services	1	PS-PDADT-RISITECH	PD Addl Depl Time: 4HR Remote ISI Tech
Services	1	PS-PDADT-RDPDTECH	PD Addl Depl Time: 4HR Remote DPD Tech

#### ***Custom Work from AHEAD***

Services	100	Clustered SQL Server Replatform
Services	100	Domain Controller and Active Directory Migration
Services	100	Clustered Microsoft Exchange Server Migration
Services	100	Radius and Printer Server Migration