Office of the Vice President
and Chief Financial Officer
Procurement Services
https://procurement.ufl.edu/

971 Elmore Drive
PO Box 115250
Gainesville, FL 32611-5250
(352) 392-1331 Fax 352-392-8837

April 14, 2023

ADDENDUM #4 to the University of Florida ITN23NH-122 Technical Refresh of the IBM Spectrum Protect Solution scheduled to be opened on **April 27th, 2023, 3:00 PM** at the University of Florida, Elmore Hall Conference Room, Radio Road, Gainesville, Florida.

This addendum shall be considered part of the Contract Documents for the above-mentioned **ITN23NH-122** as though it had been issued at the same time and incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original document, this addendum shall govern and take precedence. All other terms, conditions, and regulations will apply.

This addendum consists of:

1. Answers to supplier questions received.

Sincerely,

Nicola Heredia, Director
Procurement Services

Please acknowledge receipt of Addendum #4 by signing below and returning this addendum with your proposal. Failure to include an addendum with your proposal may result in rejection.

_____ _____
Signature Company Name

_____
Email Address

_____ _____
Company Address City/State/Zip

ITN23NH-122 Addendum 4

Q1. Given this is a project specific contract award, please advise if the reporting requirements stated in Section 6.11 are applicable.

A1. Vendor and University will work together to create reports as University deems necessary and compatible with vendor systems. All fields listed may not be required.

Q2. Section 6.0 states "This list of provisions is not exhaustive or indicative of every provision that will be contained in the Agreement, but rather identifies particular terms and conditions of which the vendor should be aware." Can the University supply a copy of the full set of terms and conditions that apply to this effort?

A2. The UF purchase order terms and conditions can be found at https://procurement.ufl.edu/vendors/purchase-order-terms-and-conditions/

Any additional terms may be negotiated.

Q3. Will the University consider use of master services agreement terms and conditions already in place with the bidder for the provision of professional services?

A3. Any terms currently in place would need to be reviewed prior to agreement. If there is an existing mutually agreed to agreement to be reviewed, please include in Tab 8 of the proposal.

Q4. Does UF anticipate awarding a 5-year pre-pay contract or annualized renewals for the initial 5-year term?

A4. The intent is to award a 5-year contract, however the decision to pre-pay or renew annually will be determined during negotiations.

Q5. Are all buildings requiring installation of hardware located on the UF campus, or are buildings spread throughout a larger geographic area?

A5. The primary site for the TSM server is the Gainesville data center. While the current offsite is in Atlanta, the future offsite may be there or a colocation data center, MSP-managed data center, or cloud service, depending upon the awarded proposal. UF IT clients are located primarily on the main campus but also throughout Florida via VPN.

Q6. We are designing the proposal to the following assumptions:

a. We want to validate that front end data is the primary data to be protected?

A6.a. Defining “front end data” as the data on the client systems that is being backed up and/or archived, this is correct.

b. We want to validate that annual data growth to size for is 20%?

A6.b. Correct

c. Front end data to be protected amounts by year (is this the correct assumption to size for?):

i. Current: 1020 TB
ii. End of year 1: 1224 TB
iii. End of year 2: 1469 TB
iv. End of year 3: 1763 TB

v. **End of year 4: 2115 TB**
vi. **End of year 5: 2538 TB**

A6.c. Correct, based upon current backup client sizing.

d. **We are unsure of the reference to 2626 TB Front end data. From the context, it seems like this is the anticipated front-end amount of data after 3 or 5 years? Should we use the sizing assumptions in 1c above? Or use this 2626 TB somehow?**

A6.d. Proposal should address year 3 capacity needs, with the option to add capacity by approximately 20% as needed during the term for an agreed-upon (up-front) price.

e. **The ITN mentions that 30% of the 2626 TB is for NAS backup. We assume this NAS data is included in the front-end data numbers above and this statement gives guidance that a good portion of that will be NAS data?**

A6.e. Correct. Significant NAS backup growth after implementation is projected.

f. **Section 5e says to size local storage for 365 days of backups. Is this UF's retention policy, to plan to keep all backups for 365 days? This would be 365 versions in Spectrum Protect policies. We are looking for UF guidance/clarification on your backup retention periods and # versions to keep.**

A6.f. UF policies define a default file retention of 7 versions, with extra versions retained for 60 days (90 days for single-version files). The expectation is that most restores are for versions less than one year old, and thus we want the local storage sized accordingly. Some policies may have longer retention periods, which could be retained on another storage tier.

g. **We use % of structured vs unstructured to more accurately predict data reduction rates over time. From past discussions it appears there is less than 5% structured data. Is 5% structured data a good assumption or is there some other guidance on this %?**

A.6.g. Your assumption of 5% is reasonable.

Q7. Should our proposal plan for any long-term retention data from UF's current Spectrum Protect environment to be migrated into the new solution? If so, any estimate on the amount of data?

A7. All existing retained data will need to be migrated as part of your proposal. 1020 TB of front-end data and approximately 3300 TB of tape back-end data.

Q8. Question 4di in Attachment B asks about increasing network bandwidth along with capacity increases over time. This is not a problem, but can we assume this would be adding networking interfaces to existing bonded networks?

A8. Yes. Your solution should use 802.3ad LACP for both throughput and redundancy. UFs preference is QSFP28 (100GbE).