

LOC Questions and Clarifications Memorandum

To: Solicited Vendors for Letter of Configuration (LOC) Number 35129, dated March 11, 2011 for the Jackson State University (JSU)

From: David L. Litchlitter *DLL*

Date: March 21, 2011

Subject: Responses to Questions Submitted and Clarifications to Specifications

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The following questions were submitted to ITS and are being presented as they were submitted, except to remove any reference to a specific vendor. This information should assist you in formulating your response.

Question 1: Please confirm that this LOC for VMware is a new environment at JSU that will consist of (26) Cisco UCS 210 Servers.

Response: That is correct.

Question 2: If so, are these (26) servers already physically installed? Has an O/S already been installed on the servers that we might have to remove prior to installing VMWARE?

Response: The servers will be installed in the racks. The servers will not have an Operating System installed.

Question 3: Are servers connected to a LAN switching infrastructure that supports jumbo frames?

Response: Yes, they are.

Question 4: Will partitioning the SAN be part of the VM install?

Response: **No it will not.**

Question 5: Does the quote for installation and configuration involve the virtualization of any servers or is it for installing and tuning the VMware platform only, with virtualization carried out by customer?

Response: **The installation and configuration will consist of installing and tuning VMware only.**

Question 6: How many physical servers will be involved?

Response: **There will be 26 Cisco Servers.**

Question 7: How much memory per server (could impact which version of licensing is required)?

Response: **Each server will have 32GB of memory.**

Question 8: How many physical processors?

Response: **Each server has 2 for a total of 52 physical processors.**

Question 9: How many cores per processor?

Response: **Each server has 4 cores per processor.**

Question 10: What is the backend disk system (fiber channel, iSCSI, etc.)?

Response: **The backend disk system is iSCSI.**

Question 11: If SAN will be used, how many extents need configured?

Response: **A SAN will not be used in this configuration.**

Question 12: Can a map of extents and servers be provided for this quote?

Response: **No, map will not be provided.**

Question 13: How many network subnets need to be configured and can a drawing be provided for this quote?

Response: **The network will have one subnet. A drawing will not be provided.**

Question 14: Will the network cards be bonded together and, if so, connected to what make/model of switch?

Response: **The network cards will not be bonded.**

Question 15: Is there a design drawing available for this installation?

Response: **No, design drawing is available.**

Question 16: What are the exit criteria for turnover of the system to the University? (E.g., installation of ESX on X number of servers, or creation of X number of virtual machines.)

Response: **The project will be completed when VMware has been installed, tuned, and tested on all 26 servers.**

Question 17: Are you asking for an additional year of maintenance (i.e., 2 years in total) over the first year included with the licensing?

Response: **The Maintenance/Warranty period will be for 1 year.**

Question 18: Will all 26 Cisco Servers require VMware software installation?

Response: **Yes, all 26 servers require software installation.**

Question 19: Are you looking for basic installation only or something more complex?

Response: **See response to Question 5.**

Question 20: Can you provide a high level list of the installation requirements?

Response: **See response to Question 5.**

Question 21: Will you consider Time & Material or are you looking for a fixed price?

Response: **Vendors must provide not-to-exceed cost.**

Question 22: Schedule in section 3 shows installation in a 2 weeks period. Please confirm you plan to complete all installations in two weeks or are you considering a longer staged implementation?

Response: **As stated, installation is to be completed in a two week time period.**

Question 23: Will kickstart server with base image be already available or is assistance required for configuration of that as well?

Response: A Kickstart server has not been configured.

Question 24: Will network (including DHCP and DNS servers) and storage already be in place?

Response: Yes, network and storage will be in place.

Question 25: Will all hardware be racked, stacked, cabled, and powered on or is assistance needed?

Response: The servers will be installed before the beginning of this project.

LOC responses are due March 24, 2011, at 3:00 p.m. (Central Time).

If you have any questions concerning the information above or if we can be of further assistance, please contact Chris Nix at 601-432-8041 or via email at Chris.Nix@its.ms.gov.

cc: ITS Project File Number 35129